Dow Distinguished Award Progress Report
Corporate Financial Transparency: Deforestation in Mato Grosso, Brazil

Stakeholders

Client
Climate Advisers (Certified B Corporation)

Faculty Advisor
Dr. Stefan Zeume
Assistant Professor of Finance
Ross School of Business

Team Members

Laura Donahue - School of Medicine
Yahya Bajwa - School of Public Policy
Cazzle Palacios Brown - School of Natural Resources and the Environment, School of Business
Matt Chambers - School of Natural Resources and the Environment, School of Engineering
Catalina Kaiyoorawongs - School of Business, School of Education
Alfredo Novoa - School of Information

Executive Summary

This paper will examine the effects of soy production from the location of harvest to the ecological and human impacts of building a transportation system leading to the production site. The Forest Code and the Soy Moratorium are laws put in place to slow down the ecological impacts of soy production on the Amazon. Although deforestation as a whole has declined in Brazil from 2004 to 2013, it has increased along the BR-163 Soy corridor route\(^1\). Thirty kilometers or 18 miles of of rain forest is cut down along side road leading to the production site\(^2\). Although there are protected regions, an accountability system needs to be put in place to consider the ecological and human impacts of building vast transportation networks throughout the Brazilian Amazon for the sole purpose of agricultural commodities.

The hypothesis is that commodities harvest, transport and process lead to the decreased of the human development index in port town Santarem from before conglomerates introduce commodities processing to afterwards. Other human impacts to production, transport, and process include: municipal development; quality of life indicators such as literacy, access to sanitation, etc.; and changes in public health.

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\(^1\) Juan Doblas, who monitors regional deforestation for the NGO Instituto Socioambiental (ISA)
\(^2\) Ibid
This paper uses a statistical model to evaluate the production of soy over the past 10 years, productions per unit of land and look at the correlation to deforestation. A regression analysis will be performed to calculate the value of deforestation, while controlling for factors that naturally affect deforestation, such as: increased population, level of education, income level, and GDP.

The below model can be used to determine an estimate of effect of soy production on deforestation + Cargill’s contribution towards deforestation:

\[ \text{Deforestation} = B_0 + B_1 \times \text{year} + B_2 \times \text{Cargill} + B_3 \times \text{Cargill} \times \text{year} + B_3 \times \text{other_variables_to_control}. \]

**Progress Towards Milestones**

**First Phase: Database Research**
- Database research has been completed for legal and environmental context of deforestation due to soy production in Amazonia. Database research is still in progress for social development/public health impacts of Cargill activity in the city of Santarem and soy supply chain management in Amazonia.

**Second Phase: Research into Sustainability of Sourcing Practices**
- Our client has requested that we focus more on the ecological impact of deforestation rather than the impact of corruption on soy production so we are no longer looking into conflicts of interest impacting commodity agriculture practices.

**Third Phase: Creation of Model**
- We are still collecting data that will be used to develop the model. Once data collection has been completed, we will run multivariate logistic regressions to develop a model to predict the cost of deforestation based on multiple variables.

**Summary of Work to Date**

1. Completed background research on historical and legal context of deforestation related to soy production in Brazil. This background context includes:
   a. Capacity in port terminals to process commodities puts a growing pressure to grow and harvest more
   b. Poor Roadway infrastructure- Companies have used roadways to transport soy and other commodities. However, do to unpaved parts that are easily washed away during rainy seasons and government contract delays to pave parts of the road has lead to joint private partnerships to build their own modes of transportation.
   c. Legal Aspects- Public-private-partnerships are more effective at combating deforestation than purely legal mandates in Brazil. The Soy Moratorium has actually decreased deforestation and built stronger forest monitoring programs.
However, the Soy Moratorium does not cover all of Brazil, especially not the agreement on infrastructure development, rather on farmers own lands.

2. Completed initial research on the history of Santarem, Brazil, specifically regarding the proposal, construction and impact of the Cargill soy processing plant built in the city in 2003.
   a. Collecting preliminary data on multiple variables related to municipal growth, social development indicators and public health from ten years prior to the construction of the Cargill soy processing plant to ten years after (1993-2013)
   b. Examples of variables to be analyzed include: GDP, population, literacy rate, amount of homes with adequate sanitation, unemployment rate, prevalence of HIV/AIDS, etc.

3. Completed research on loss of ecosystem services valuation due to deforestation for soybean production and how that loss compares to gain in economic benefits to affected regions

4. Made initial contact with several organizations in Brazil; awaiting response to begin coordinating meetings

Remaining Project Plan

1. Regression Analysis
   a. Find the remaining supply chain data
   b. Feed ecological impact data into the regression analysis
   c. Feed income, education, population growth, and GDP data of affected communities into the model

2. Primary Research in Brazil
   a. File Brazil travel visas and finalize coordination with in-country NGOs by end of September 2017
   b. Arrange travel and lodging for Brazil trip
   c. Travel to Brazil (October 2017) and meet with NGOs

   i. **Instituto SocioAmbiental (ISA).** ISA was established on April 22, 1994, by a group of people with a significant professional background and experiences in the struggle for social and environmental rights. ISA has incorporated the material and nonmaterial heritage amassed during the 15 years’ experience of several knowledgeable organizations in the indigenous rights issues in Brazil, such as the Ecumenical Documentation and Information Center’s Brazilian Indigenous Peoples Program, and the Indigenous Rights Nucleus (NDI) of Brasília.

   https://www.socioambiental.org/en/about-isa

   ii. **Instituto Centro de Vida (ICV).** Instituto Centro de Vida is a Brazil-based civil society organization that works to build shared sustainability solutions that aim to reconcile agricultural and forestry production with the conservation and restoration of natural ecosystems and their services.

   iii. Additional organizations/stakeholders to be determined.
3. Present findings to Climate Advisers and Dow to fulfill Dow Sustainability Fellows Program requirements
   a. Poster presentation at Dow Sustainability Fellows Symposium: November 18, 2017
   b. Final report presentation: December 11, 2017
LAURA DONAHUE

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Ann Arbor, MI 48104
Phone: 517.614.5484
Email: lauradon@med.umich.edu

Permanent Mailing Address:
234 Fairlane Drive
Traverse City, MI 49684

MEDICAL EDUCATION

2016-2020 University of Michigan Medical School, Ann Arbor, MI
MD Candidate, Class of 2020

UNDERGRADUATE EDUCATION

2010-2013 University of Michigan, Ann Arbor, MI
Bachelor of Sciences in Cellular and Molecular Biology with Highest Distinction, Dec 2013
Cumulative GPA: 3.96/4.00; Major GPA: 3.97/4.00
MCAT: 37 (Physical Sciences: 12, Verbal Reasoning: 11, Biological Sciences: 14)

FELLOWSHIPS, HONORS & AWARDS

1/2017 – 12/2017 Dow Masters/Professional Sustainability Fellowship
6/2014 – 6/2016 Postbaccalaureate Intramural Research Training Award (IRTA) Fellowship
12/2013 Highest Distinction in the Cellular and Molecular Biology Major
4/2013 Phi Kappa Phi Honor Society Member
12/2011 Golden Key International Honor Society
6/2012 – 6/2016 National Institutes of Health Undergraduate Scholarship Program
3/2011 William J. Branstrom Freshman Prize
2/2010 National Merit Finalist
4/2010 University of Michigan LSA Kessler Presidential Scholarship Award

RELEVENT EXPERIENCE

Postbaccalaureate Intramural Research Training Award (IRTA) Fellowship
Research Experience: Conducted clinical research examining pathophysiological and clinical correlates of severe mood dysregulation and bipolar disorder in pediatric population. Preprocessed, quality checked, and conducted individual- and group-level analyses of functional magnetic resonance imaging (fMRI) data using Analysis of NeuroImages (AFNI) and Unix. Compiled and organized Structured Clinical Interview for DSM Disorders (SCID) data in order to analyze the relationship between parental and child diagnoses. Distributed and updated the weekly fMRI scanning schedule for the ED Branch scans. Presented data in poster presentations.
Clinical Experience: Managed a longitudinal, outpatient case load (n=50). Scheduled, coordinated, and ran visits for pediatric patients with severe mood dysregulation (DMDD), bipolar disorder and ADHD as well as children at familial risk for bipolar disorder and adults with bipolar disorder. Tracked and verified patient clinical scan results and report abnormalities to staff psychiatrist. Administer behavioral tasks, questionnaires, neuropsychological tests [Wechsler Abbreviated Scale of Intelligence (WASI)], and fMRI scanning simulation training to patients. Conducted telephone screens for potential study participants. Coordinated stays for inpatients participating in double-blind placebo controlled drug trial for severely irritable children. Attended case
presentations, interdisciplinary meetings, therapeutic family meetings and rounds on the inpatient clinic as well as weekly lab meetings.

1/2014 – 6/2014  **Novel Responses, Inc.**  
*Behavior Technician*

**Clinical Experience:** Mastered the Applied Behavior Analysis method of behavior modification and language skills instruction. Implemented an in-home, one-on-one behavioral intervention for a child with Autism Spectrum Disorder (ASD). Facilitated the development of both non-verbal (American Sign Language) and verbal language skills in a child with ASD and used natural environment play therapy to encourage appropriate social behaviors. Documented client progress daily and participated in monthly care team treatment development meetings.

9/2010 – 3/2013  **University of Michigan School of Dentistry, Department of Biologic and Materials Sciences, Mentor: Brian Pierchala**  
*Research Assistant*

**Research Experience:** Investigated the mechanism of GDNF receptor kinase Ret retrograde transport in sympathetic neuron axons. Designed a cloning strategy for the creation of a lentivirus containing a gene for a fluorescent Ret isotope (Ret-Kikume and Ret-Dendra) that was used to infect rat sympathetic neurons. Extracted and cultured sympathetic cervical ganglion neurons from fetal rats for use in transfection experiments. Developed live cell imaging in sympathetic neurons in order to observe the mechanism of retrograde axonal transport of activated Ret complexes. Acquired and analyzed confocal microscopy images to determine rate and mechanism of Ret complex degradation. Designed western blot analysis protocol to confirm degradation findings. Presented data in poster presentation. Assisted in manuscript preparation.

6/2012 – 8/2012  **National Institute on Aging, Laboratory of Neurogenetics, Mentor: Huaibin Cai**  
*Undergraduate Scholarship Program (UGSP) Scholar*

**Research Experience:** Researched the role of LRRK2 protein in neural development and sporadic Parkinson disease. Optimized transgenic mouse models for in vivo and in vitro study of the effect of dopamine deficiency on intracellular signaling in striatal neurons. Utilized western blot analysis to assess changes in phosphorylation of GluR1, CREB and cofilin proteins in LRRK2 +/- and LRRK2 +/- mouse models to determine the effect of LRRK2 on PKA pathway functioning. Acquired and analyzed images of mouse striata to determine the morphology and density of dendritic spines on striatal medium spiny neurons in LRRK2-/- and LRRK2 +/- mice. Led lab meeting about the use of optogenetic technology in alleviating Parkinson’s symptoms in affected mouse models. Presented data in poster presentation. Assisted in manuscript preparation.

8/2009 – 8/2010  **Great Lakes Bioenergy Research Center, Michigan State University Department of Plant Biology, Mentor: Carolyn Malmstrom**  
*Research Assistant*

**Research Experience:** Analyzed over 500 viral RNA samples isolated from plant tissue collected in the field, providing insight to barley yellow dwarf virus prevalence and movement patterns across southern Michigan. Mastered and optimized reactions such as reverse transcription, polymerase chain reaction and RNA extraction in order to enhance product quality and yield. Contributed to the discovery of a plant virus novel to southern Michigan and analyzed the sequence of the new virus in order to determine its origin and evolutionary relationships.

**EXTRACURRICULAR ACTIVITIES**

10/2015 – 6/2016  **Grid Alternatives, Washington, DC**  
*Volunteer,* Assisted in no-cost home solar panel installations for income-qualified residents of DC. Contacted qualified residents to inform them of affordable and no-cost solar systems available to them.

9/2014 – 6/2016  **So Others Might Eat, Washington, DC**  
*Mentor at Jordan and Mary Claire Houses,* Visited residents of Jordan House and Mary Claire House, community-housing alternatives to psychiatric hospitalization, twice weekly. Prepared and shared family-style meals with residents. Organized and accompanied residents on outings to stores and attractions in the metro DC area. Brought about positive behavioral change by building trust and relationships with residents.

9/2012 – 6/2013  **Ann Arbor Animal Hospital, Ann Arbor, MI**
Volunteer, Shadowed a veterinary surgeon during procedures such as routine dental cleaning, neutering/spaying, declawing, tumor removal and ACL reconstruction surgery. Aided in preparing animals for surgery. Observed and participated in pre-and post-op visits with owners.

2/2011 – 5/2014 Young Life College at University of Michigan, Ann Arbor, MI
Student Leader and Music Director, Participated as a member in three Spring Break service trips to the Dominican Republic. Planned weekly club meetings and developed vision for the group as member of the YLC Leadership Team. Spoke at several club and Leadership meetings about personal experiences. Mentored several underclassmen, including band members. Volunteered as a High Ropes Course instructor at Young Life’s Saranac Village Camp in New York during August 2013. Attended the 2014 Young Life Student Staff Conference in Chicago as a member of the YLC Student Staff to develop a deeper understanding of and vision for college ministry. Organized and led band practices and performances at weekly club meetings, semiannual Worship Nights, and annual Fall and Spring Retreats. Recruited and trained band members to take over leadership roles.

PUBLICATIONS AND PRESENTATIONS


RELEVANT COURSEWORK

Genetics with Lab
Genes, Circuits and Behavior
Evolution
Cell Biology
Immunology
Introduction to Statistics

Neurobiology
Epigenetics
Biochemistry
Molecular Biology
Child Psychology

RELEVANT SKILLS & TRAINING

Computer & Data Analysis
Microsoft Office (Word, Excel, Outlook, Access & PowerPoint), SPSS, Analysis of Functional NeuroImages (AFNI), Unix, BioEdit and MEGA 5 (oligonucleotide analysis)

Laboratory Equipment and Techniques
TCS SP5 II Confocal Microscopy, Cryostat, Tissue Extraction, Primary Neuron Culture and Transfection, Immunoprecipitation, Subcloning, Western Blot Analysis, Animal Care and Use Certified

Neuropsychological & Clinical Assessments
Wechsler Abbreviated Intelligence Scale (WASI), Applied Behavior Analysis

Language Proficiency
Conversational Spanish
Muhammad Yahya Javed Bajwa
Apt. #1, West Moseley Street, Ann Arbor MI 48103
Phone: 217-904-5528 Email: yahyab@umich.edu

31st May 1992

EDUCATION

Gerald Ford School of Public Policy, University of Michigan 2016 - Present
Masters of Public Policy: Class of 2018

Lahore University of Management Sciences 2010-2014
Bachelor of Science (Honors) Economics

- **Economics Major Courses:** Econometrics, Game Theory, International Finance, Economics of Corruption, Agriculture and Food Policy, Economics of Race, Gender & Ethnicity
- **Math Courses:** Statistics, Operations Research-I, Advanced Statistical Analysis, Discrete Math’s, Introduction to Programming, Data Structures, Artificial Intelligence

PROFESSIONAL EXPERIENCES

University of Michigan January 2017-Present
Graduate Student Instructor
- Graduate Instructor for Quantitative Program Evaluation Course.

Data Analyst Software Engineer
- Increased efficiency of call centres for fortune 500 companies by conducting data modelling for agent-client mapping.

Centre for Economic Research in Pakistan (CERP) Sep – Dec 2015
Research Assistant-Survey Manager
- Managed survey team for Education Financing Project rolled out in seven districts of Punjab
- Conducted Data Management and Analysis for the feasibility of financial products aimed at small scale private schools

Teacher
- Taught Economics and Mathematics to A-Level (equivalent to High School) students

Pakistan Microfinance Network (PMN) Sept - Dec 2014
Field Monitoring Officer (Part Time Employee)
- Conducted trainings and evaluated Financial Literacy Programs
- Drafted reports for the effectiveness and impact evaluation of the program

Pakistan Poverty Alleviation Fund (PPAF) July, 2013
Internee at head office, Islamabad
- Assessed microfinance projects related to beneficiaries of PPAF.

SOS Children Village July 2012
Volunteer Work: Academic Councillor, Islamabad
- Conducted academic counselling sessions for high school graduating children.

RESEARCH & PROJECTS

- Senior Year Thesis 2014
  Research Paper on the Inter-Generational Occupational Mobility of Minorities in Pakistan
- **Economics of Corruption:** 2014
  Impact of licensing and delayed policy implementation on the economy
- **Economics of Networks and Referrals** 2013
  Research Paper on effects of social networks and referral in the job market
- **Effectiveness of IT labs installed by Punjab Government in School and Colleges** 2012
  Research Paper in History and Theory of Economic Development

AWARDS & ACHIEVEMENTS

- DOW Sustainability Fellowship 2017
- Studied A level with full Scholarship 2008-2010
- Proficient in Microsoft Office, C++, STATA, SPSS, ODK, SQL, R, Python
CAZZIE PALACIOS BROWN
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EDUCATION

UNIVERSITY OF MICHIGAN (Ann Arbor, MI)
Ross School of Business | School of Natural Resources
Master of Business Administration and Master of Science (GPA: 3.9/4.0), April 2018
• Emphases: Finance and Strategy
• Honors: Forte Fellowship, Rackham Merit Fellowship, Erb Institute for Global Sustainable Enterprise Scholarship, Consortium Graduate School of Management
• Selected: Ross Fast Track Finance, JumpStart Finance Forum, Forte Fast Track Finance
• Finance Club Member, Elected VP of Finance for Women in Leadership Conference

WHU OTTO BEISHEIM SCHOOL OF MANAGEMENT (Koblenz, Germany)
Finance and Strategy Global Immersion, May 2016

UNIVERSITY OF REDLANDS (Redlands, CA)
Bachelor of Arts in Psychology and Cultural Studies (GPA: 3.9/4.0), May 2004
• Phi Beta Kappa, Championship Scholar Athlete

EXPERIENCE

2016-Present
DTE ENERGY (Ann Arbor, MI)
Student Consultant, Pricing Policy Business Analyst
• Building financial models in a team of four to optimize pricing, measure risk, and maximize profits in the face of new regulations

2016
WHIRLPOOL CORPORATION (Benton Harbor, MI)
Finance Intern, Global Leadership Development Program
• Built analytical framework to identify and prioritize new financial growth opportunities; secured buy-in and implementation is underway with projected revenue of $135M

2008-2015
SUMMER SEARCH (San Francisco, CA)
Director of Strategic Initiatives, 2014-2015
• Designed and executed campaign to increase revenue and stakeholder engagement, fueling an event revenue increase of 85% increase in three months
• Analyzed internal budget and identified inefficient redundancy in labor contracts, resulting in 94% cost savings

Program Director, 2012-2014
• Coached and provided strategic direction to staff of 16 education professionals resulting in 100% high school and 89% college graduation rate for at risk students, exceeding all program and cost goals for the first time in six years
• Conducted quarterly cost-benefit and scenario analysis on $2.3M annual operating budget, reducing program costs by 20% within one year and increasing services by 28%

Outreach Director, 2010-2012
• Developed comprehensive admissions forecasting method using trend, segmentation, and attrition analysis, resulting in 75% program growth
• Led business development efforts by building 27 client relationships and managing 80% of institutional donor relationships, resulting in more than $440K of net new annual revenue
• Selected as lead on Board of Directors Strategic Planning Committee and analyzed performance and future opportunities to project 5-year student and revenue growth targets

Outreach Manager, 2008-2010
• Created recruitment systems yielding 25% more students accepted from interviews and retaining 25% more students post-acceptance

2005-2007
COALITION TO ABOLISH SLAVERY AND TRAFFICKING (Los Angeles, CA)
Case Manager
• Developed and taught workshop series on personal finance and investment planning for clients to utilize commercial banking resources and maximize financial health

ADDITIONAL
• Self-taught advanced Spanish (primary home language) and intermediate Russian
• Experienced guide of student groups to Ukraine, Siberian villages, and Dominican Republic
• Triathlete with passion for open-water swimming

November 2016
Matt Chambers
macham@umich.edu
425.232.7798
209 Miller Ave
Ann Arbor, MI 48104

EDUCATION AND CERTIFICATIONS

University of Michigan School of Natural Resources and College of Engineering (Ann Arbor, MI)
- Master of Science, Civil Engineering: Sustainable Water Systems, 2018 (Anticipated)
- Master of Science, Natural Resources and Environment: Sustainable Water Systems, 2018 (Anticipated)
- 2017 Dow Sustainability Fellow
- Recruitment Fellowships: Wege-Bulkley Engineering Sustainable Systems Fellowship, RPCV Global Fellowship, Dean’s Engineering Sustainability Fellowship

University of Washington (Seattle, WA)
- Bachelor of Science, Mechanical Engineering, 3.50 GPA, 2007
- Engineer-In-Training Certification, 2007

EMPLOYMENT HISTORY

Zodiac Aerospace, Redmond, WA (Lightplate, Switch Panels, and Interior Lighting Design and Manufacturing)
Manufacturing Engineer, 2013 – 2016
- Develop and implement improvements to product designs and manufacturing processes
- Coordinate and prioritize outsourcing activities to company’s manufacturing facility in Mexico, including site visits to train engineers and production personnel
- Provide day-to-day engineering support to production personnel and design engineers
- Lead multi-discipline teams to perform root-cause failure analysis of failed products and generate corrective/preventive actions
- Create manufacturing process instructions, design manufacturing tooling, and author troubleshooting guides
- Design and perform material compatibility, environmental effects, and manufacturability tests to support design activities

United States Peace Corps, Dominican Republic
Community Water Systems Volunteer, 2011–2013
- Performed engineering design, planning, and documentation for the improvement and repairs of ten community gravity fed and pumped water systems
- Designed and managed construction of a 20-meter concrete pedestrian bridge, verifying that construction and materials satisfied design requirements
- Successfully managed simultaneous work on four different communities’ water systems
- Organized and trained water committees to assist in project management, enforce system by-laws, and manage future work
- Organized and led life skills and leadership course for 10 pre-adolescent girls
- Performed work primarily in Spanish
- Trained five community members as water technicians
- Assessed area communities’ water situations, desire to work, and project feasibility to provide system improvement/construction proposals to communities and partner organizations
- Collaborated with a local NGO to develop community leaders, obtain funding, host program donors from the United States to present on project status, and generate long-term plans for area water systems to ensure sustainability
GENERAL SKILLS

- Ability to work both independently and in team-focused environments
- Strong analytic trouble-shooting and problem-solving skills
- Fast learner
- Self-starter
- Fluent in Spanish

COMPUTER SKILLS

- Skilled in SolidWorks 3D Modeling and 2D drawings
- Skilled in Catia 3D Modeling and 2D drawings
- Proficient in AutoCAD 2D Drawings
- Skilled in MS Office

PERSONAL INTERESTS

- Hiking and camping
- Backpacking and traveling in foreign countries
- Biking
- Basketball
EDUCATION

UNIVERSITY OF MICHIGAN
Stephen M. Ross School of Business | School of Education
Ann Arbor, MI
Master of Business Administration | Master of Arts in Ed Leadership & Policy, June 2018
- Awarded: National Finalist of Accenture Innovation Challenge | Dow Sustainability Fellowship | Forté Fellow & Scholarship Recipient
- Selected: Consortium for Graduate Study in Management | Zell Lurie Commercialization Fund Fellow
- Member: Michigan Women in Business | Human Capital Club | Emerging Markets Club | Follies MBA Play (Actor)

COLUMBIA UNIVERSITY
Barnard College
New York, NY
Bachelor of Arts; Environmental Science & Policy, May 2008
- Junior & Senior Marshall Award; Honored for extraordinary campus leadership

EXPERIENCE

UNIDOSNOW
Sarasota, FL
2013-2016
Associate Executive Director, 2015-2016
- Launched Sarasota College Access Network with key partners, assisting 300 + students to secure over $1 million in federal funding; placing Sarasota County #1 for most funding in FL
- Identified diversity recruitment issues in higher education and created a parent engagement program adopted by local college, increasing Hispanic student application rate by 82%
- Initiated strategic partnerships with stakeholders and funders, increasing revenue by 400% resulting in organization establishing its endowment
- Hired & managed 3 direct reports to implement a two-county scaling college access program, resulting in a 500% increase in student reach

Director of Education Initiatives, 2013-2014
- Analyzed education access data and identified achievement gap resulting in the launch of Sarasota’s first premiere college access program for low-income, first generation Latino youth
- Recruited & managed a network of retired professionals to deliver high-quality college prep support and mentorship, expanding program implementation from two to four schools

CORPORATION FOR NATIONAL & COMMUNITY SERVICE (CNCS)
Sarasota, FL
Program Director; Host Agency: Senior Friendship Centers
2012-2013
- Managed Sarasota branch of national service program leading volunteers to provide over $1 million worth of in-kind labor, a huge cost savings for 6 local area nonprofits

UNITED STATES PEACE CORPS - GUATEMALA
Santa Eulalia, Guatemala
Health Educator & Business Advisor; Elected Rep to Gender & Dev. Committee
2010-2012
- Recruited and trained Health Promoters from 22 villages, empowering them with tools and training to further educate 2000 students on preventative health practices
- Created a training manual in Spanish adopted by Peace Corps Guatemala resulting in leadership inviting me to lead the official on-boarding of over 100 volunteers.
- Evaluated artisan market targeting international tourist and implemented changes generating a 300% increase in 13 women artisans’ earnings

MANHATTAN DISTRICT ATTORNEY’S OFFICE
Manhattan, NY
Trial Preparation Assistant
2008-2010
- Created sexual abuse investigation manual, streamlining & improving investigation protocol & procedure for new hires

ADDITIONAL
- Tri-lingual (English, Spanish & Thai) & Tri-cultural; spent extensive time on three continents
- Entrepreneurial Venture: Owned two international guest houses called Cat’s Pad
- 1 of 10 Ed Policy Fellows selected nationally by NCLR (La Raza) & the Gates Foundation
- Avid dancer, scuba diver, hat croqueter, practitioner of yoga & meditation, adopted Guatemalan street dog

February 2017
Alfredo Novoa  
novoa@umich.edu | 608.279.5894 | linkedin.com/in/novoaalfredo

Education

University of Michigan | Schools of Information & Public Health
Master of Health Informatics (MHI) | 2018
Focus in Evaluation, Policy & UX
Dow Sustainability Fellow
Health Informatics Student Organization member

University of Wisconsin | College of Liberal Studies
Bachelor of Arts in Health Information Systems Management & Spanish | 2016
Ronald E. McNair Post-Baccalaureate Achievement Program Scholar
V.P., Sigma Delta Pi (National Collegiate Hispanic Honor Society) 2014
Dean’s List (GPA 3.5 or above) for 4 semesters
Studied abroad at Universidad de Murcia (Murcia, Spain); studied Spanish literature
Studied abroad at Université de Savoie (Chambéry, France); studied civilization

Experience

Ecology Center
Website Content Database Manager/Graduate Researcher | 2017-16
Used Drupal (CMS) to update layouts, content and texts for healthystuff.org
Utilized HTML to troubleshoot issues related to UX and GUI
Established naming standards for searchable products database

United Nations (UN Women)
Resource Mobilization/ Donor Relations & Reporting Intern | 2015
Supported, analyzed and reconciled records, compared legal agreements and aligned information in English, French and Spanish
Donor Agreements Management System creation task force member
Developed infographics to represent data; created a flowchart aligned with unit policy
Researched queries from partners
Drafted frameworks, checked for discrepancies, edited, proofread and finalized reports and key documents and translations in English and Spanish

University of Wisconsin, Multicultural Student Services, Pre-College Program
Assistant Coordinator & Tutor | 2014-16
Tutored in various school subjects for the underrepresented children of the community
Assisted with interview and hiring processes, planning and scheduling of activities
Coordinated routes and instructed the school-bus driver for pick-up and drop-off service

Technical Skills

- Data Analytics & Visualization
- Mac OS & Windows
- Microsoft Office
- Writing/Editing

Coding

- HTML/CSS
- JavaScript
- Python
- PHP
- SQL
- XML

Languages

- English
- French
- Spanish

Interests

- Sustainability
- Accessibility
- mHealth
- Global Health
- Web App Design
- HIT Policy