

### PERSONAL STATEMENT

My profession as a civil engineer has encompassed domestic and international fronts for the betterment of environmental health, public health, and infrastructure. I have designed, implemented, and managed stormwater treatment systems, initiated and led innovative projects for communities in developing countries to provide access to basic necessities, and been integral in founding a 501(c)3 organization that is focused on grass roots projects various countries. My goal is to contribute expertise as I can, and to continue growing my knowledge for the betterment of the communities I serve.

### CERTIFICATIONS & PROFICIENCIES

- Professional Engineer, state of WA
- WWHM
- MGS Flood
- Flow Master
- HAZWOPER, 40 hour
- CESCL
- SPCC
- NPDES Wastewater and Stormwater Permitting
- CAD
- CAD - AutoTURN
- Excel
- Microsoft
- Powerpoint
- Proficient in use of survey equipment
- Seattle SDCI Building/Construction

### PROFESSIONAL EXPERIENCE

**THE NEXT DOOR, INC** | COMMUNITY HEALTH WORKER Hood River, OR 07/2020 – Present

- Working with a team to provide PPE, education, food, information and funds to information to migrant seasonal farmworkers and individuals in need in the Columbia Gorge area. Reached over 2,000 individuals through all efforts.
- Collaborated with Oregon Human Development Coalition to provide \$130,000 in funds directly to 260 migrant seasonal farmworker families.
- Developed educational outreach materials to use for presentations to packing houses, orchards, schools, professional team meetings, and outreach efforts.
- Started a local COVID focused educational radio show for listeners in Spanish and English.

**GORGE OUTREACH** | PUBLIC HEALTH OUTREACH FACILITATOR Hood River, OR 03/2020 – 06/2020

- Working with a team of individuals to provide shelter in hotels for houseless individuals in the Colombia Gorge area.
- Provided donated food, shelter, Spanish translation, and medical needs to individuals house with the program, and individuals outside of the program by way of our Outreach Program.

**THE NEXT DOOR, INC** | PLANT SALE CONTRACTOR FOR THE RAICES PROGRAM Hood River, OR 02/2020 – 05/2020

- Planted, watered, rotated, and built structures to house 10,000 plants grown in a greenhouse.
- Lead mini workshops for Latino families to help with the planting and transplanting process of plants.
- Co-ran the plant sale event where over \$15,000 was raised and donated back into the Raices Program of The Next Door.

**THE MEDIA FOUNDATION** | VOLUNTEER COORDINATOR PROGRAM MANAGER Beaverton, OR 11/2019 – 03/2020

- Putting on the face of the company and approaching companies, universities, schools, and religious groups to inform them of volunteer events.
- Coordinate and organize volunteer events offsite and onsite.

- Reaching out to potential hires and conducting interviews.

**POST PEDAL FARM, LLC** | CO-FOUNDER AND STRATEGIC PLANNER

Hood River, OR 2/2019 – Present

- Coordinate direction to revive abandoned 3-acre vineyard using local resources (vintners, NRCS, SWC, OSC): vineyard care, funding opportunities, low impact organic practices.
- Design, prepare, and establish organic farm plot to provide produce locally. Determine soil amendments, planting schedule, watering technique and regimen, pest control, market logistics, publicity, and opportunity.

**TRACTION (PREVIOUSLY: INTERNATIONAL URBAN COMMUNITIES INITIATIVE)** | BOARD OF DIRECTORS, SECRETARY, PM

OPERATIONS MANAGER, NON-BOARD MEMBER

6/2020 – Present

- Oversight of Development Director and facilitating in fundraising efforts.
- Facilitate in overall structure of organization.

INCORPORATION PROCESS, BOARD MEMBER

Seattle, WA 2018 – 2020

- Founded our group into a Washington recognized nonprofit aspiring to have 501c3 status.
- Designing webpage, identifying grants.
- Interviewing Seattle tent cities to identify new community to partner with, in addition to communities in Peru and Nepal.
- Developing projects with professional landscape architects, global health, and engineering individuals.

**FOG CATCHMENT PHASE II**

Lomas de Zapallal, Peru 2016

- Coordinating with the community and built four fog catchment systems conveying flow into a collection tank.

**FOG CATCHMENT PHASE I**

Lomas de Zapallal, Peru 2015

- Coordinated with private contractor and community counterparts for the construction of cement sports field, community garden space, irrigation lines, and seven water collection tanks.

**SOUNDEARTH STRATEGIES** | STORMWATER ENGINEER

Seattle, WA 2/2017 – 10/2018

- Supervised the stormwater department monthly and quarterly field inspections, monitoring, sampling, data collection, data interpretation, client communication, quarterly and annual reports.
- Technical management of new opportunities for the stormwater team, including new projects for industrial clients, such as media material change-out; required SPCC infrastructure changes for compliance measures; Advanced Treatment System (ATS) Engineering Reports.
- Development of ATS Engineering Reports including site walk, treatment system design analysis, WWHM stormwater runoff program modeling, design rendering in CAD, Construction Document development, construction oversight.
- Spill Prevention Control and Countermeasure (SPCC) expert for auditing facilities, writing reports, and collaboration with Ecology representatives.
- Provided civil and stormwater engineering expertise pertaining to stormwater runoff design, code interpretation, and the development of required plan sheets – Construction Stormwater and Erosion Control Plan (CSECP) and permanent Drainage Stormwater Control (DWC) Plan sheets.

**CAMP SECOND CHANCE TEMPORARY ENCAMPMENT** | CIVIL ENGINEER

Seattle, WA 2/2017

- Coordinated with David Witte to compile information for a Preliminary Application Form for the City of Seattle to expand the existing temporary housing. Site walked area, measurements, photos, and interview of locals. Helped compile site layout and PAF to submit to the City of Seattle.

**PATH** | CONTRACTOR: WASH ASSIGNMENT

Seattle, WA 6/2016 – 9/2016

- Created two tools that work in conjunction to identify appropriate latrine technologies. Tools compiled in Excel, available on the PATH webpage: <http://www.path.org/publications/detail.php?i=2651>.
- Aided in project development for a project in Cote D'Ivoire and Benin with PSI and USAID.
- Aided in silicon mold design for tablet lyophilization research, and puncture testing for vaccine vials.

**SABBATICAL FOR INTERNATIONAL TRAVEL** Peru, Costa Rica, Nicaragua, Canada, 1/2016 – 5/2016

- Translation services to a naturopathic clinic, Natural Doctors International (NDI), Ometepe, Nicaragua
- Physical Therapist assistant and yoga class instructor at clinic in Ometepe, Nicaragua

**SVR / MIG | CIVIL DESIGNER, ENGINEER 1** Seattle, WA 6/2012 – 12/2015

- Cedar to Green Trail Improvement Project – grading, stormwater treatment using LID
- Dragon Cider Mill – grading of building additions, stormwater design using infiltration
- Elliot Bay Seawall Stormwater Design – grading, utilities, MGS Flood modeling
- Hubbard Homestead Skate Park Stormwater Design – grading, utilities, MGS Flood modeling
- National Aquarium of Peru Stormwater Recharge Design – utilities, storm-water system, FlowMaster

**PEACE CORPS VOLUNTEER | WATER AND SANITATION VOLUNTEER (REQUEST APPENDIX)** Ica, Peru 9/2009 – 12/2011

- Served as representative and spokeswoman to commemorate the 50th anniversary of Peace Corps.
- Healthier Homes Project to Minimize Indoor Smoke – 75 households
- Irrigation Canal Project
- Member of Renewable Energy Committee Initiative

**EDUCATION**

<b>B.S.E., UNIVERSITY OF IOWA</b> , Iowa City, IA	Spring 2009
<i>EXCHANGE STUDENT</i> , Canterbury University, Christchurch, New Zealand	Spring 2007
<i>INTERNATIONAL CLASS</i> , Hydraulics and Hydrology, Cairo, Egypt	Winter 2008
<ul style="list-style-type: none"> <li>• Major: Civil Engineering</li> <li>• Focus: Global Health Studies/ Sustainable Engineering</li> </ul>	
<b>B.A., UNIVERSITY OF IOWA</b> , Iowa City, IA	Spring 2009
<ul style="list-style-type: none"> <li>• Major: Art and Art History</li> <li>• Focus: Studio Art</li> </ul>	
<b>MINOR, UNIVERSITY OF IOWA</b> , Iowa City, IA	Spring 2009
<i>INTERNATIONAL CLASS</i> , Social Entrepreneurship, Tamil Nadu, India	Winter 2007
<ul style="list-style-type: none"> <li>• Focus: Global Health Studies</li> </ul>	
<b>POST-BACHELOR CLASSES AT NORTH SEATTLE COMMUNITY COLLEGE</b>	2015, 2016

**COMMUNITY SERVICE PROJECTS**

• Christmas Toy Drive for Hood River, OR (40 Children Benefitted)	2020
• Post Pedal Farm produce donations to Hood River Fish Food Bank	2019
• Volunteer with Gorge Grown Mobile Market at the O'Dell Farmers Market	2019
• Involvement in the Pachamama Alliance Course on Environmental Activism	1/2019 – 6/2019
• Community Science Night Volunteer	Seattle, WA 2017, 2018
• LEHI Tiny Home Build Volunteer	2017
• Toilets for People Implementation Group	Oriani, Haiti 9/2017

**AWARDS AND RECOGNITIONS**

- Certified Healing Touch Practitioner through Healing Beyond Borders 05/2020
- Certified Hatha Yoga Instructor 2009
- Guinness Book World Record Holder for Women’s Mountain Bike Bog Snorkeling Wales 2018
- Guinness Book World Record Holder for Women’s Mountain Bike Bog Triathlon Wales 2018
- Peace Corps News Article, Peace Corps Volunteers Teach Thousands of Peruvians about Health and Environment through Radio Shows:  
[http://www.peacecorps.gov/index.cfm?shell=resources.media.press.view&news\\_id=1843](http://www.peacecorps.gov/index.cfm?shell=resources.media.press.view&news_id=1843) 2012
- Radio Interview with KXIC Fox Radio, Host Jay Capron – Iowa City, IA 2012

**SPORTS**

- Hood River Ultimate Frisbee 2019
- RAGBRAI participant – bike ride across Iowa 2018
- National Frisbee Tournament, Mint Club Women’s Frisbee Team 2017
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- Ski to Sea, Cyclocross Racer 2013, 2014, 2015
- Seattle-to-Portland Bike Race – 202 miles; completed in one day 2013

**LANGUAGE EXPERIENCE**

- Bilingual: English and Spanish
- Translator for a Brigade of Naturopathic Doctors at NDI in Ometepe, Nicaragua 2016
- Worked with PTs at the Altagracia Health Clinic in Ometepe, Nicaragua 2016
- Translator at the Free Medical Clinic in Iowa City, IA 2012
- Translator for Mercy Medical Missions while in Palpa, Peru 2011