ANNA CRAIG

GET IN CONTACT

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PERSONAL PROFILE

I am driven individual determined to use technology to improve health equity and expand women's access to STEM fields, who loves taking initiative to achieve a challenging goal.

PERSONAL PHILOSPHY

"Act as if what you do makes a difference, it does" –William James

EDUCATION HISTORY

UNIVERSITY OF WASHINGTON

M.S. in Information Management
- Relevant Coursework: Foundations of IM, Management and Strategic Leadership, Data Science

B.S. in Bioengineering, 2020
- Cumulative GPA: 3.87
- Departmental Honors
- Relevant Coursework: Object Oriented Programming in Java, Data Structures and Algorithms, Statistics, Calculus

Foster Study Abroad – India, Fall 2018
- Visited nonprofits and companies to evaluate the effectiveness of their business model and immerse in Indian culture.

SKILLS

- Proficient in Java, MATLAB, Python, HTML, CSS, R
- Virtual Communication Softwares: Zoom, Slack

AWARDS

HUSKY 100

Selected as 1 of 100 top students making the most of their time at UW by connecting experiences to make an impact in the community.

WORK EXPERIENCE

INTELLECTUAL VENTURES, GLOBAL GOOD

Biotechnology Intern | Summer 2019
- Designed a bacteriophage stability study executed over eight weeks which analyzed titer and luminescence output.
- Phage stability, with the addition of LB, increased by 60% allowing for phage to be easily transported and used in microfluidic device field studies in order to detect E. coli in water samples collected from Sub-Saharan Africa.
- Presented at lab meetings to collaborate with stakeholders from various departments and implement feedback, stemming the exploration of new approaches to current work.

UNIVERSITY OF WASHINGTON ENGINEERING DEPARTMENT

Engineering Design Coach | Fall 2018 – Spring 2019
- Served as a teaching assistant for 50+ students in Introduction to Engineering Design.
- Taught weekly sections in programming, mechanics, circuitry, CAD, and 3D printing.
- Facilitated group discussions to resolve team conflicts and design concerns to build teamwork skills and successful projects.

XENON ARC

Sales and Marketing Intern | Summer 2018
- Managed client interactions to fulfill orders, negotiate pricing, and resolve issues to maintain positive relations.
- Launched marketing campaigns using social media and cold calling to elicit business.

PROJECTS

TARGET MALARIA MOSQUITO CLASSIFICATION DEVICE

Capstone Project, funded by the Gates Foundation | Spring 2020
- Developed a proposal for a field enabled, detection device of a malaria control transgene introduced to a mosquito population to provide accurate data on the spread of the transgene to adhere to policies set forth by the WHO.
- Established the current market, design constraints, features, estimated timeline, expected challenges and mitigation based on user requirements.
- Rescoped project to be done remotely, due to COVID-19 constraints, to produce and iterate upon an in silico device designed in SOLIDWORKS and circuit in Tinkercad that reaches the setpoint within 20 min, with 1 °C of variability, as seen in the heat transfer test completed via a COMSOL model.

ALPHA LAMBDA CHAPTER STEM CLUB

Founder | Fall 2019 – Spring 2020
- Coached 15 women pursuing STEM on how to get involved in research, plan schedules, and prepare for interviews in hopes of assisting to close the gender gap in STEM fields.
- Provided tutoring when needed on various subjects.

BIOENGINEERING STUDENT WEBSITE

Honor's Project | Fall 2019 – Spring 2020
- Created a department website, using Wix, with course information, professor profiles, and an industry database.
- Collected course feedback via Google Surveys on core curriculum from current students and processed data via Python to effectively present tips for success for future students.
- Interviewed faculty for profiles to increase approachability and encourage collaboration.