

MARIAH JACOBS

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EDUCATION

University of Michigan – School of Information

Ann Arbor, MI

M.S. in Information – 4.0 GPA

Sept. 2019 – May 2021

Focus: Human-Computer Interaction (HCI)

Pacific University

Forest Grove, OR

B.S. in Computer Science – Summa Cum Laude

May 2019

Double Minors in Psychology and Philosophy

WORK EXPERIENCE

Akamai Technologies

Cambridge, MA

Technical Program Management & Development Intern

May – Aug. 2020

- Integrated Key Performance Indicator API into internal Flask web application to automate a manual workflow. Focused on designing and developing front-end UIs with jQuery, Handlebars, HTML/CSS.
- Collaborated with teammates to demonstrate end-to-end API request and response cycle triggered through updated UI.
- Documented project setup, workflow, design, and status.

Intel Corporation

Hillsboro, OR

Software Architecture Intern

May – Aug. 2019

- Redesigned site architecture and user workflow of an internal web application based on use cases to improve UI access and efficiency.
- Developed web front-end in React, Redux, and HTML/CSS.

Software Engineering Intern

May – Aug. 2018

- Pushed patches addressing dependency and automation issues in cloud-based virtual network functions within Open Network Automation Platform (ONAP) open source project.

Pacific University

Forest Grove, OR

Computer Science Teaching Assistant

Aug. 2016 – May 2019

- Graded 20-40 assignments written in C and C++ on a biweekly basis.
- Scripted and ran test cases. Evaluated and provided feedback on coding standards and design according to department guidelines.

PROJECT EXPERIENCE

Data4Good Website

University of Michigan

- Tools: Python, Django, HTML/CSS, AWS Elastic Beanstalk & S3, SQLite, Figma

The Bechdel Test

University of Michigan

- Tools: HTML/CSS, JavaScript, D3.js, aXe, WAVE

Recipe Wizard

Pacific University

- Tools: low/hi-fidelity prototyping, heuristic evaluation, usability testing

Bank Simulator

Pacific University

- Tools: C++, UMLet, object-oriented design (template, strategy, facade, factory, visitor patterns)

SKILLS

Programming

C++	HTML	Flask
C	CSS	Django
Python	JavaScript	React
SQL	jQuery	Redux

UX Design

Miro	Storyboards
Basalmiq	Personas
Figma	Wireframes
Adobe Suite	Prototypes

UX Research

Contextual Inquiry/Interviews
Competitive Analysis
Heuristic Evaluation
Survey (Qualtrics)

Tools/Technologies

Git	UNIX	OpenCV
Perforce	Windows	Wireshark
JIRA	UML	OpenStack

SERVICE & LEADERSHIP

Women in Computer Science

ACM-W Chapter

Aug. 2015 – May 2019

Served as Treasurer ('18-'19), President ('17-'18) and Secretary & Conference Co-Chair ('16-'17) while providing mentorship to underclassmen officers and club members.

Rewriting the Code Fellow

2018, 2019

Led a long-term (59 week) social media project to bring awareness to women's accomplishments in STEM with two fellows from different universities.