

# 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

### 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 to address dependency, automation, and flexibility issues in cloud-based virtual network functions within the 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 each semester.
- Scripted and ran test cases. Evaluated and provided feedback on coding standards and design according to department guidelines.

## PROJECT EXPERIENCE

### Book && Movie

University of Michigan

- Designed, populated, and implemented a SQLite relational database and a web interface with Flask, Jinja, and HTML/CSS for the front-end and Python for the back-end.
- Queried Google Books and Open Movie Database APIs to collect data about media featuring underrepresented populations.

### The Bechdel Test

University of Michigan

- Developed a responsive and accessible website to promote female-featured media using HTML/CSS and JavaScript, with D3.js for data visualization.

### Recipe Wizard

Pacific University

- Prototyped a recipe application aimed to streamline the cooking process and use hands-free gesture navigation to eliminate the need to touch a screen while cooking.
- Managed project through the UX design cycle (ideation, needfinding, low/high fidelity prototyping, heuristic evaluation, and usability testing) in 12 weeks working in a team of 4.

## SKILLS

### Programming

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

### Design

Adobe XD	Contextual Inquiry
Basalmiq	Wireframing
Indigo Studio	Low/Hi-Fi Prototyping
Figma	Heuristic Evaluation

### Tools

Git	UNIX	OpenCV
JIRA	Windows	Wireshark
OpenStack	UML	MariaDB

## 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.

## HONORS & RECOGNITION

### Full Tuition Merit Scholarship

School of Information

Sept. 2019 – May 2021

### Grace Hopper Celebration Student Scholar

AnitaB.org, 2018

Awarded full-ride scholarship to attend Grace Hopper Celebration. Chosen as top 8% (764/9500+) of applicants.