MARIAH JACOBS

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WORK EXPERIENCE

Intel Corporation   Hillsboro, OR
GPU Software Development Engineer   Aug. 2021 – Present
- Developing a full-stack web application in React/Node.js to report insights on performance and characteristics of graphics workloads running on CPU and GPUs.

Data4Good Center   Ann Arbor, MI
UX Designer & Web Developer   Jan. 2020 – May 2021
- Led redesign, development, and deployment of Django website for non-profit data science for social impact organization at UMSI.

Akamai Technologies   (Remote) Cambridge, MA
Software Development & Technical Program Management Intern   May – Aug. 2020
- Integrated Key Performance Indicator API into internal Flask web application to automate a manual workflow.
- Designed and developed front-end UIs with jQuery, Handlebars, HTML/CSS.
- Led full stack development efforts of intern team to demonstrate end-to-end API request and response cycle triggered through updated UI.
- Documented project setup, workflow, design, and status.

UMSI Graduate Student Instructor   Ann Arbor, MI
SI 564: SQL and Databases   Jan. – April 2020
- Graded and provided detailed feedback on weekly SQL assignments; assisted instructor in developing assignments and scoring rubrics.
- Held weekly office hours and assisted two class sections, totaling ~80 students, with troubleshooting SQL queries, designing ER diagrams, command line debugging, and general database knowledge.

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.

Intel Corporation   Hillsboro, OR
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.

EDUCATION

University of Michigan – School of Information (UMSI)   Ann Arbor, MI
M.S. in Information – 4.00 GPA   May 2021
Focus: User Experience/User Interface (UX/UI) research, design, and development

Pacific University   Forest Grove, OR
B.S. in Computer Science – Summa Cum Laude, 3.92 GPA   May 2019
Double Minors in Psychology and Philosophy

SKILLS

Programming
C++	HTML	JavaScript
C	CSS	jQuery
Python	Flask	React
(No)SQL	Django	Node.js

UX Design
Miro	Storyboards
Basalmiq	Personas
Figma	Wireframes
Adobe Suite	Prototypes

UX Research
Contextual Inquiry/Interview
Competitive Analysis
Heuristic Evaluation
Survey (Qualtrics)

Tools/Technologies
Git	UNIX	Jenkins
Perforce	Windows	Wireshark
JIRA	UML	Postman

SERVICE & LEADERSHIP

Speaker at MidCamp 2020
April 2020
Presented conference talk "Come to the Dark Side (of UX), We Have Cookies" on recognizing, categorizing, and combating dark patterns in UX design.

Women in Computer Science ACM-W Chapter
Aug. 2015 – May 2019
Served in 3 officer positions over 3 years: Treasurer, President, and Secretary + Conference Co-Chair while providing mentorship to underclassmen.

Rewriting the Code Fellow
2018, 2019
Led a 59 week social media project to bring awareness to women in STEM with two fellows from different universities.

Library Volunteer
2016 – 2019, 2021 – Present
Volunteer for 2 hours/week to assist with holds and circulation. Served 100+ hours since 2016.