

MELISSA MARIE PEREZ

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Education

Oregon State University

Bachelor of Science in Computer Science

Expected – March 2023

Corvallis, Oregon

University of California, Los Angeles

Bachelor of Science in Statistics

Awarded – June 2018

Los Angeles, California

Pasadena City College

Associates of Arts and Sciences in Math, Physics, Engineering

Awarded with Honors – May 2016

Pasadena, California

Technical Skills

Languages: Python, HTML5/CSS3, JavaScript, SQL

Developer Tools: VS Code, PyCharm, Microsoft Visual Studio, Android Studio

Technologies/Frameworks: LINUX, GitHub & Git, Bootstrap

Experience

Indiana University – Purdue University Indianapolis, NSF-REU Site

June 2021 – August 2021

Undergraduate Research Assistant

Virtual

- Researched, read, and presented on current cybersecurity papers.
- Learned fundamental security topics with hands-on labs using Kali Linux OS and other applications.
- Conducted experiments on data poisoning attacks on federated learning with PyTorch that culminated in a short paper.

Oregon State University

January 2021 – June 2021

Undergraduate Learning Assistant

Remote

- Graded assignments for 200+ students in Discrete Structures. Topics for this class include: logic, set theory, mathematical proofs, counting, and graph theory.
- Led discussions on Canvas/Piazza and scheduled weekly virtual office hours on Zoom/Slack.

Infosys

September 2018 – November 2020

Senior Associate, Anthem - Blue Cross Blue Shield

Indianapolis, IN

- Executed manual tests and scripts across various extract-transform-load (ETL) services to validate and debug results after data warehouse software upgrades.
- Wrote test and project documentation to outline steps taken for assigned test cases and upgraded existing documents for future developers.

Projects

FlashCards – [Github](#) – Java, Android Studio

February 2021 – April 2021

- Developed an Android application for creating flash cards for studying and memorizing from scratch.
- Used Room to store created flash cards locally on a phone and created templates for UI components.

Pathseekers Indianapolis – [Heroku](#) – HTML5, CSS3, Bootstrap, VSCode, Handlebars, Node.js

May 2021

- Designed wire-frames using Balsamiq of a web application for a fictional hiking group.
- Wrote and structured the HTML and CSS files, used Handlebars for page templating, and Node.js for server-side processing.
- Used Mailchimp API for e-mail registration and Google Maps API to display geographical information.

Extracurricular

- **Grace Hopper Celebration of Women in Computing – Women of Color in Technology Awardee** *July 2021*
- **ColorStack Career Camp – First Cohort** *July 2021*
- **Intel Semiconductor Research Corporation Undergraduate Research Program – Finalist** *July 2021*
- **Microsoft Technical Resilience Mentoring Program – Mentee** *Spring 2021*
- **CodePath Intro to Mobile Product Development, Completed(Honors) – Participant** *Spring 2021*
- **University of California, Los Angeles – Alumni Scholarship Recipient and Scholar** *Fall 2016*
- **Jet Propulsion Laboratory – NASA Community College Aerospace Scholar** *Spring 2015*