

Mirabela Medallon

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Education

B.S. Computer Science — University of Hawaii at Manoa — Honolulu, HI

- **Major GPA: 3.93 / 4.00** — Graduation: Summer 2021

Coursework: Algorithms, Software Engineering I & II, Reverse Engineering, Computational Linguistics, Data Networks, Databases, Operating Systems, Quality Assurance, Machine Lvl & Systems Programming, Data Driven Web Development, Discrete Mathematics

Technical Skills

- **Experienced:** Javascript, React, Python, POSIX C, HTML, CSS, Git Version Control, Jira, Trello
Adobe Illustrator & Photoshop, Agile Project Management
- **Familiar:** React Native, x86 Assembly, Java, SQL, Bootstrap UI, Semantic UI, jQuery, Meteor, MongoDB

Work Experience

UH IT Services — Front End Web Developer — [\[Link\]](#) — 02/21 to Present

- Evaluated & fixed UI bugs at different breakpoints & accessibility bugs in the code. Ensured app to be ADA & WCAG Compliant. Technologies: AngularJS, Java Spring Boot, Bootstrap, Maven, axe Devtools, Lighthouse

UH Collaborative Software Development Lab — Software Developer — [\[Link\]](#) — 10/19 to 03/20

- Created a project from inception: conducted user requirements survey, wrote system design, diagrams, implemented UI, performed web scraping for data collection. Technologies: React, Semantic UI, Javascript
Libraries: Cheerio, Puppeteer, Xray

University of Southern California, Viterbi ISI — Undergraduate Research Intern — [\[Link\]](#) — 06/19 to 08/19

- Created a project for data collection (web scraping & data cleaning) and data analysis (natural language processing) for improving engagement and retention in engineering courses. Presented the research poster at a symposium. Technologies: Python, NLTK, pandas, NumPy, Scikit-learn, XPath & CSS Selectors

Flowater Inc — User Experience & User Interface Design Consultant — [\[Link\]](#) — 09/19

- Designed product structure (IoT mobile app - client side) based on the product goals & desired features.
- My work was presented at the Microsoft and Changhong booths at the CES 2020 convention. [\[Link\]](#)

KCC STEM Center — Web & Graphic Designer + Computer Science Tutor — [\[Link\]](#)

- Redesigned & rebuilt the website to be more user-friendly and organized. — 09/18 to 04/19
- Tutored students and resolved problems in Java, C, C++ & Discrete Math assignments. — 01/18 to 05/18

Projects, Awards, Activities

1st Place 7 times, Runner-up 12 times — Graphic Design Contests — [\[Link\]](#) — 99designs.com

- Created winning designs for startups based on their product goals and target market.

Co-Founder of SWITCH (Supporting Women in Tech & Computing Hawaii) — [\[Link\]](#) — 10/19 to Present

- SWITCH is a GirlsWhoCode and ACM-W chapter at UH Manoa that my colleague and I founded in 2019.
- Organized tech/career speaker events and socials. Maintained website & chat server for ~100 members.

State of Hawaii Annual Code Challenges — 11/19 [\[Link\]](#) , 11/18 [\[Link\]](#)

- **2019** — Co-led a team of 5, created an app for posting & discovering sustainability projects & statistics. Gathered requirements, created system design docs and UI mockups. Developed the entire front-end (all screens) of the mobile app. Technologies: React Native.
- **2018** — Created a streamlined data collection, reporting, and data visualization solution for Hawaii's Dept. of Land & Natural Resources in a team of 4. Programmed the front-end of the website and part of the Android app. Technologies: Android Studio, Java, HTML, & CSS.

ACM International Collegiate Programming Contest 2019 — [\[Link\]](#) — 11/19

- 2nd Place in Hawaii for Division 2 in the PacNW Regional.