Mirabela Medallon

full stack developer & designer / http://miraabela.github.io / mirabelamedallon@gmail.com

Education

B.S. Computer Science — University of Hawaii at Manoa — **GPA 3.8 / 4.0** — Graduation: 2021

Skillset

Front End: JavaScript, React, TypeScript, Next.js, Redux, Angular, HTML, CSS, Sass, CSS-in-JS, React Native
Back End: Node.js, Express, Mongoose, MongoDB, Python, Django REST Framework, AWS SDK
Design & UI Frameworks: Adobe Illustrator, Photoshop, Bootstrap UI, Material UI, InVision, Figma
Other: Docker, Github, Jira, Trello, Cypress Automated Testing, Web Scraping, ESLint

Experience

Booz Allen Hamilton — **Full Stack Software Engineer** — 01/22 to Present
• Develop modern web applications & reusable components with React, Redux, Next.js, Angular, TypeScript
• Design and implement endpoints for REST APIs in Node, Express.js connected to MongoDB
• Build and own features end to end from design, frontend, backend, testing, debugging, and deployment.
• Implement role based authentication, protected routes, user and role management with JSON Web Tokens
• Write and run end-to-end automated tests in Cypress.js
• Configure multi container apps for development & production with Docker and nginx in AWS EC2 (linux)
• Implement real time data updates with web sockets using socket.io
• Develop web scrapers in Python to collect data for use in AI model training
• Create dynamic frontend data visualizations in Kibana, D3.js, and interactive maps with Leaflet.js
• Document API request and response data structures with Swagger UI
• Design mockups for new features in Adobe Creative Suite - Photoshop and Illustrator
• Code other backend features: GeoJSON for geospatial queries on maps, uploading to AWS S3 buckets
• Communicate with stakeholders, designers, & backend developers to incorporate feedback and new features
• Technologies: React, Redux, Next.js, Angular, TypeScript, Python, Flask, ElasticSearch, Kibana, D3.js, Node.js, Express, MongoDB, Mongoose, Docker, Bootstrap, Material UI, ESLint, AWS, Github, Leaflet.js, Jenkins, ngninx

Loko I'a Pā'aiau — **Web Developer** (Pro Bono) — [Link] — 09/21 to Present
• Developed and deployed entire website with React, Next.js, Bootstrap UI, Vercel

UH IT Services — **Front End Developer** — [Link] — 03/21 to 08/21
• 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, 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, wrote web scraper. Technologies: React, Semantic UI, Javascript, Puppeteer, XRay, Cheerio

University of Southern California — **Undergrad Data Science Research Intern** — [Link] — 06/19 to 08/19
• Created a project for data collection (web scraping & data cleaning) and data analysis (natural language processing). Technologies: Python, NLTK, pandas, NumPy, Scikit-learn, Scrapy

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]
• Completely 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

Awards, Activities, Projects

1st Place 8 times, Runner-up 12 times — *Online Graphic Design Contests* — [Link] — 99designs.com
• Created winning designs for startups based on their product goals and target market with Adobe CreativeSuite.

State of Hawaii Annual Code Challenges (Hackathons)
• 2021 — [Link] Developed a mobile app that is part of a system for data collection of Hawaii's protected animal sightings and distress calls. Technologies: React Native, Meteor, Mongo, Google Maps
• 2019 — [Link] Co-led a team of 5. Gathered requirements, created system design docs and UI mockups. Developed the entire front-end (all screens) of the mobile app. Technologies: React Native, Google Maps
• 2018 — [Link] 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.

Co-Founder of SWITCH (Supporting Women in Tech & Computing Hawaii) — [Link] — 10/19 to 06/21