

Michelle Taing

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EDUCATION

University of Florida

Apr 2025

B.S. Computer Science • GPA: 3.96 • Honors Program

Gainesville, FL

- *Relevant Coursework:* Programming Fundamentals, Discrete Math, Data Structures and Algorithms, Software Engineering, Web Development
- *Involvement:* CS Kickstart Webmaster, Girls Who Code Junior Web Developer, Women in Comp. Sci. and Engineering

EXPERIENCE

Lockheed Martin

Jun 2023

Software Engineering Intern • *Active DoD Secret Clearance*

Orlando, FL

- Developed a 3D-geospatial map interface that processes, stores, and visualizes real-time GPS coordinate data using CesiumJS to support Joint Air-to-Surface Standoff Missile (JASSM) mission planning.
- Enabled Digital Terrain Elevation Data (DTED) 3D visualization and proactively investigated various enhanced data presentation methods.
- Crafted a comprehensive Interface Control Document (ICD) outlining precise message structures, protocols, and communication procedures for efficient integration and management of external data sources.
- Collaborated closely with cross-functional teams to break down project requirements, define product features, and outline user stories and subtasks within Program Increments (PIs) and Sprints, in accordance with customer needs.

Office Divvy

Jun 2019 – Aug 2022

Digital Team

Palm Coast, FL

- Designed and handed off an animated prototype using Figma to formulate an automated solution for sending and receiving signed estimates, resulting in decreased manual labor and increased accuracy.
- Led the production of marketing materials for a cluster of more than 25 local businesses and an e-commerce site, increasing online visibility and engagement.

PROJECTS

OOTD (Outfit of the Day)

- Co-developed a full-stack application with a team of three peers, enabling users to create a digital closet, featuring clothing item management and outfit creation capabilities. Utilized Angular and Go with Gorm and Gorilla Mux.
- Owned the end-to-end development of a clothing item creation and editing feature, streamlining image uploads and user-driven item naming and categorization.
- Collaborated with frontend and backend developers to implement the outfit builder feature. Established REST API call logic and structure and integrated the outfit builder interface with the backend for smooth data exchange.
- Created comprehensive 1:1 end-to-end tests in Cypress that closely mirrored the implemented features and provided thorough testing coverage, thereby ensuring the reliability and quality of the application.

Gator Eats

- Developed a proof-of-concept of a centralized directory for dining locations on UF's campus. Implemented features such as viewing menus organized by meal times, providing nutritional facts for each meal, and incorporating filters.
- Utilized HTML, CSS, and Bootstrap to create a fully-responsive interface. Integrated the frontend with the PHP and MySQL-supported backend using JavaScript, jQuery, and AJAX, ensuring efficient data retrieval.

TECHNICAL SKILLS

Programming: Experience in C++, Java, JavaScript, TypeScript, Go, PHP, SQL, HTML/CSS, Angular, React.js

Visual Design: Illustrator, Photoshop, Wireframing and UI Prototyping in Invision and Figma

Project Management: Experience with Agile management, Scrum framework, and Sprints