Kelly Chen

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EDUCATION

University of Florida   **Gainesville, FL**
Bachelor of Science, Computer Science   **May 2024**
Minor: Business Administration
Certificate Program: AI Fundamentals & Applications
GPA: 3.18/4.0

RELEVANT COURSEWORK & SKILLS

Coursework: Programming Fundamentals 1 & 2, Introduction to Computer Organization, Data Structures & Algorithms, Software Engineering, Programming Language Concepts, Operating Systems, Information Systems & Databases
Technical Skills: C++, Java, JavaScript, React, Angular, HTML, CSS, React Bootstrap, Angular Materials, Docker, Podman, Git

EXPERIENCE

*Software Engineering Intern***, CACI International Inc.**   **May 2023 – August 2023**
- Produced a monitoring system that aggregates logs and metrics from two Spring Boot applications using Promtail and Loki and displayed them on a Grafana dashboard through three filters and eight graphs so users can understand the health and status of their applications
- Containerized six applications using Docker and made improvements to existing tech stacks to gather logs, metrics, TLE, SNMP, and NTP data more efficiently
- Collaborated with six team members to create a software product that combined sub-team projects onto one web app to present to the company's executive board

*Member of the Front-End Team***, UF Society of Women Engineers (UF SWE) – Team Tech**   **January 2023 – May 2023**
- Developed a weekly calendar that utilizes React and JavaScript to display an optimized communication schedule for a satellite ground station for CACI with two other front-end members so users can easily view the satellite schedule
- Engaged with Team Tech members weekly to delegate work to make the process of coding and testing simpler and inclusive
- Implemented Thunder Client and MongoDB to create a system to test the API and hold the scheduler's information

Senior Developer **– Web Development Team, Girls Who Code (GWC)**   **October 2022 – May 2023**
- Redesigned the team page for the GWC website by adding cards and modal components from Semantic UI using JavaScript to present the 14 officers on the GWC board and make it easier for users to access their information
- Transformed the team page to reflect the Figma design and actively asked for feedback on improvements
- Presented and discussed results, roadblocks, and future goals at weekly scrum meetings to communicate progress

PROJECTS

Escape the Senior Project   **May 2024**
- Designed an escape room web app game based on the University of Florida campus to encourage users to exercise their critical thinking abilities using React, Unity, and MongoDB
- Built ten components for the website based on Figma designs using JavaScript and React-Bootstrap
- Created a Google form for players to give feedback on their gaming experience and made improvements to the game/website accordingly to enhance gameplay

Pomodoro Planner Website   **April 2023**
- Designed a planner to allow students to efficiently access their to-dos, calendar, events, music, and self-paced timer
- Developed nine components on the front-end team using Angular, Angular Materials, HTML, and Typescript to utilize them throughout multiple pages on the website
- Wrote 15-unit tests for Cypress, Karma, and Jasmine to test the front-end components to achieve the goal functionalities

Movie Review Sorter   **December 2022**
- Sorted through 400k Rotten Tomatoes movie reviews in CSV format using merge sort and quick sort to make it easier for users to find and bookmark movies they would enjoy using C++
- Reviews were sorted by relevancy, reviewer name, or score, and the execution time for each algorithm was recorded

LEADERSHIP & INVOLVEMENT

*Vice President of External Affairs***, UF CS KickStart**   **May 2023 – January 2024**
- Coordinated weekly meetings with the executive board and director of events to prepare for the four events this semester
- Managed four events by assigning dates, budgeting, fundraising, and making room bookings
- Created a four-page planning template for events and workshops to make planning meetings more efficient and to ensure everyone follows the same planning procedures in the future