OJEEN GAMMAH

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Citizenship Status: US. Citizen

EDUCATION

University of California San Diego, La Jolla Sep. 2021 - Dec. 2023
Bachelor of Science in Computer Science

- GPA: 3.8/4.0
- Courses: Data Structure, Algorithms, Client/Server-Side Programming, Operating System, Network Security, Programming Languages, CPU Design
- Earned Provost honors for 7 quarters

TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, HTML, CSS, Python, Clojure, SQL, Linux/Unix, ARM Assembly
Software: Design, Web Development, Machine Learning, Operating System, Graphics, Computer Security, Microsoft Office: PowerPoint, Word, Excel, Outlook, Visio, Access
Tools: Git, GitHub, Visual Studio Code, Visual Studio, Bash, Shell, Junit, Node.js, Docker, Virtual Machine, IntelliJ, PyCharm
Other: Agile, Methodologies, CI/CD, REST, Jest, Puppeteer

PROJECTS

Calorie Tracker | Java, XML Sep. 2023 – Present

- Currently developing an Android app for calorie tracking, which will enable users to log their daily food intake either by scanning food labels or manually entering nutritional data.
- In progress: Implementing a personalized calorie goal feature that will calculate and suggest individualized calorie targets based on user parameters like age, gender, height, and weight.
- Utilizing Android Studio, Java, and XML to create an intuitive user interface optimized for mobile devices, ensuring a seamless user experience.

Chore Tracker |HTML, CSS, JavaScript, Puppeteer, Jest Sep. 2022 – Dec. 2022

- Configured a comprehensive CI/CD pipeline using GitHub Actions for automated linting, HTML validation, documentation generation, and testing of code changes.
- Wrote and executed automated E2E (end-to-end) tests using Jest and Puppeteer that simulate user interactions, such as clicks and form submissions to ensure the app's overall functionality with 97% code coverage
- Designed a user-friendly HTML/CSS interface optimized for various screen sizes and devices

Huffman Compression and Decompression Tool | C++ Mar. 2022 – Jun. 2022

- Implemented a Huffman compression and decompression tool in C++
- Constructed a Huffman tree using a bitwise buffer and tree serialization, leading to a 30% decrease in file size
- Optimized and profiled runtime using gprof (GNU Profiler), leading to a 10% decrease in overall runtime

EXPERIENCE

Grossmont College, Computer Assistant, El Cajon, United States Aug. 2019 – Feb. 2020

- Helped students with disabilities troubleshoot and install hardware and software
- Provided help with setting up the integrated development environment (IDE)

Computer/Phone Repair Technician, GSM Enschede, The Netherlands Aug. 2015 – Jun. 2018

- Identified and troubleshot software and hardware issues and provided technical support for customers
- Replaced hardware parts for computers
- Installed operating systems, device drivers, and other software patches to improve security
- Repaired Phone screens/batteries/buttons and computers