

# OJEEN GAMMAH

[ogammah@ucsd.edu](mailto:ogammah@ucsd.edu) | [linkedin.com/in/ojeengammah](https://www.linkedin.com/in/ojeengammah) | <https://github.com/ojeengammah> | 619-558-8342

## PROFILE

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A senior Computer Scientist at the University of California San Diego, graduating in Fall 2023. Skilled in developing software for applications. Professional experience with coding languages such as C++, JavaScript, Java, Python, and C. Able to work in multi-disciplinary teams as well as alone using agile technologies to ensure pipeline progress and high-end project completion. Known for a strong background in problem-solving, adaptability, communication, and creativity.

## EDUCATION

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### 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
- Graduating with Provost honors

### Grossmont College, El Cajon

Aug. 2018 - Jun. 2021

Associate Degree in Math, Computer Science, and Physics

- GPA: 4.0/4.0
- Courses: Data Structure, Algebra, Discrete Math, Mechanics of Solids, Electricity, Magnetism and Heat, Algorithms, Calculus I, II, III

## TECHNICAL SKILLS

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**Languages:** C/C++, Java, JavaScript, HTML/CSS, Python, Clojure, SQL, Linux/Unix, ARM Assembly,

**Software:** Design/Web Development/Team Leadership/Machine Learning/Operating System/Graphics/Security/Microsoft

**Office:** PowerPoint, Word, Excel, Access

**Tools:** Git/GitHub/Visual Studio Code/Bash/Shell/Junit/Node.js/Docker/Virtual Machine/IntelliJ

**Frameworks:** Spring/Express

**Other:** Agile/Methodologies/CI/CD/REST/Jest/Puppeteer

## PROJECTS

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### Chore Tracker | HTML, CSS, JavaScript, Puppeteer, Jest

- 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++

- 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

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### 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 troubleshoot 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