

# OJEEN GAMMAH

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## PROFILE

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My name is Ojeen Gammah, Senior Computer Scientist at the University of California San Diego, graduating this Fall of 2023. Highly creative computer science undergraduate student with a strong interest in software and Machine Learning. Professional experience with the technologies listed in the Technical Skills below. Looking for an intern/work position to develop software and gain experience in the industry. Strong background in problem-solving, adaptability, communication, and creativity.

## EDUCATION

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### University of California San Diego

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

## EXPERIENCE

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### Computer Assistant, Grossmont College, El Cajon, United States

August 2019 – February 2020

- Provide hardware and software help for students with disability
- provide help with setting up integrated development environments (IDE'S) for students

### Computer/Phone Repair Technician, GSM Enschede, The Netherlands

August 2015 – June 2018

- Identify and troubleshoot software and hardware issues
- Replace hardware parts for computers
- Install operating systems, device drivers, and other software patches to improve security.
- Phone repairs such as screen/battery/buttons
- Provide technical support for customers
- Computer repair/maintenance

## 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

## 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

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

**Frameworks:** Spring, Express

**Other:** Agile, Methodologies, CI/CD, REST