

CARTER CHAN-NUI

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EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)

Bachelor of Science Degree in Computer Science

June 2024

Relevant Coursework: Data Structures, Computer Organization, Object Oriented Programming, Systems Programming, Discrete Structures, Linear Analysis, Computer Architecture

GPA: 3.65

EXPERIENCE

Software Developer | Hack4Impact

10/2021 – Present

- Developed a volunteer management system for the San Luis Obispo Botanical Garden
- Worked with HTML, CSS, JavaScript, React, Node and MongoDB

PROJECTS

Bash Shell (Individual) | C

10/2021

- Created a bash shell to understand the innerworkings of operating systems
- Developed support for various operations and commands such as: *ls*, *cd*, *touch*, and *mkdir* to navigate and modify an emulated file system

Database Manager (Individual) | C

9/2021

- Created a database manager to process county demographics collected by the CORGIS Datasets Project
- Worked with C to process and load CSV files into a database
- Developed support for various operations and commands to analyze the data and understand the history of issues related to diversity, social and economic inequities, and political power in the United States

Critiq (Team of 3) | HTML, CSS, JavaScript & React

6/2020 – 7/2021

- Implemented a web application where users may swap essays for revision
- Worked with HTML, CSS, JavaScript and MongoDB to construct the website's frontend framework
- Collaborated to develop algorithms that increased team and product efficiency
- Focused on full stack development, defining the model, and writing database operations

ORGANIZATIONS

Cal Poly Security Club, (CPSEC) - Member

9/2020 – Present

- Attend technical workshops and guest speaker events

Computer Science + Social Good, (CSSG) - Member

9/2021 – Present

- Attend technical workshops, guest speaker events, and participate in local hackathons

Association for Computing Machinery, (ACM) - Member

10/2021 – Present

- Learn through access to ACM's vast library of original research publications

SKILLS

Languages: Python, Java, JavaScript, C, C++, HTML, CSS, and React

Technologies: UML, Git, MongoDB, Eclipse, PyCharm, Visual Studio Code