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Jake Armendariz

EDUCATION

Bachelor of Science in Computer Science, UC Santa Cruz *2018-2022*
- 3.8 GPA: Scholars Program
- Courses in Data Structures, Linear Algebra, Statistics, Discrete Math, and Algorithms

Graduated from Leigh High School *2018*
- Valedictorian of 400+ person class

WORK EXPERIENCE

Seastead Digital - Software Engineering Intern *Summer 2019-Present*
- Implemented contact page, parts of the administration panel, and fixed bugs in PHP
- Headed black box testing and QA during the alpha and beta development of a social platform
- Utilizing GitHub to collaborate with a team of six engineers

Jamba Juice - Shift Lead *2017- 2019*
- Employee of the Month

RELEVANT PROJECTS

Cruzhacks 2020 - Charity Cloud Website
- Developed the backend using Flask and MongoDB.
- Full-stack work to create charities in the database and display each one of them dynamically.

Sparse Matrix Calculator
- Programmed in C, a complete ADT constructed of an array of linked lists that can be manipulated as a 2-D matrix, but with much higher efficiency.

Java Projects
- Modified A* algorithm to create a simulated snake AI faster/better than human players.
- A* pathfinder simulation, path building and editing interface.
- Created several math-based programs, using number theory, calculus, and Linear Algebra.

Online Projects, implemented in Javascript, HTML, CSS, and Node.js
- Built a "Linear Algebra Tutor", a web application used by upwards of thirty students that can perform Linear computations, with a responsive guide explaining concepts.
- Developed, designed and launched my personal website.

SKILLS

- Programming Languages: Python, C & Java,
- Experience with: HTML, CSS, Javascript, Node.js & PHP
- Tools: Unix, Github & Excel