

Jake Armendariz

EDUCATION

- Bachelor of Science in Computer Science, UC Santa Cruz** 2018-2022
- 3.8 GPA: Scholars Program
 - Courses in Artificial Intelligence, Linear Algebra, Statistics, Discrete Math, and Algorithms
- Graduated from Leigh High School** 2018
- Valedictorian of 400+ person class

WORK EXPERIENCE

- Seastead Digital - Intern** July 2019-February 2020
- Implemented contact page, parts of the administration panel, and fixed bugs in PHP
 - Headed QA for a team of 6 engineers during alpha and beta testing
- Jamba Juice - Shift Lead** 2017- 2019
- Employee of the Month

RELEVANT PROJECTS

- Santa Cruz Artificial Intelligence Club**
- Created neural nets with plain python, to understand the fundamentals of machine learning.
 - Implemented neural networks to identify political affiliation based on voting history and cervical cancer prediction based on lifestyle and previous medical history.
- Cruz hacks 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.
 - 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 that performs and explains linear computations.
 - Developed, designed and launched my personal website.

SKILLS

- Programming Languages: Python3, C & Java
- Experience with: Pandas, Node.js & PHP
- Tools: Unix, Github & Excel