

Education

UC San Diego

B.S. in Computer Science: Bioinformatics, 2020

LA JOLLA, CALIFORNIA

Sep '17 – present

- **Major GPA:** 4.0

- **Relevant Courses:**

Software Engineering

Statistical NLP

AI-Search and Reasoning

Advanced Data Structures

Algorithm Design

Database Systems

Skills

Programming Languages: Python, Java, C++, JavaScript, Scala, C

Web Development: Spring MVC, React, Docker, JSP/ERB/Haml

Database: SQL, Spark, Elasticsearch, DynamoDB

Work

Amazon

SEATTLE, WASHINGTON

Software Development Engineer Intern

Jun '19 – Sep '19

- Developed internal tool to generate product recommendations for customers
- Leveraged machine learning principles to generate product rankings from behavior data
- Prioritized extensible full-stack design principles to facilitate iterative development

Bravado

SAN FRANCISCO, CALIFORNIA

Product Management Intern

Jul '18 – Mar '19

- Performed full-stack web development and quality assurance engineering
- Headed ideation and design sandboxing for three major product releases:
 - Data-driven UI/UX overhaul for new user onboarding flow
 - Search autocomplete optimization with 90% latency speed-up
 - Product-wide metadata restructuring for SEO boost

Activities

Eta Kappa Nu

LA JOLLA, CALIFORNIA

CSE Outreach Chair

May '19 – present

- Create and offer accredited course at UC San Diego
- Lead weekly sessions to explore and develop novel educational solutions
- Design and implement interactive projects for AP Computer Science students

UC San Diego Bioinformatics

LA JOLLA, CALIFORNIA

Ambassador and Bootcamp Developer

Oct '17 – present

- Develop open-source introductory bioinformatics course material
- Provide biweekly lessons for 50 students and 2 faculty
- Recruit representatives from academia and local bioinformatics companies

Research

Scripps Institution of Oceanography

BOWMAN LAB, UC SAN DIEGO

Computational Research Assistant

Feb '18 – Jun '19

- Developed Python pipeline for analyzing intra-ecosystem relationships
- Designed custom shell scripts for workflow optimization
- Assembled genomes from Antarctic DNA using state-of-the-art computational techniques

Projects

Scriptor

REACT + PYTHON

- Implemented text search for course podcasts by leveraging speech-to-text technologies
- Managed 6 team members as Lead UX Designer and Lead Frontend Developer
- Voted top UC San Diego Undergraduate Software Engineering Project, Spring 2019

2048 Solver

PYTHON

- Implemented three-level expectimax search to create solver for 2048
- Optimized algorithm to reach 2048 with 95% certainty and 4096 with 85% certainty