

Andrew RAGUSE



CONTACT

✉ drewraguse@gmail.com
☎ +1 (714) 926-1813
🌐 insertpersonalwebsite.com

EDUCATION

University of California, Berkeley

- GRADUATION DATE: May 2020
- MAJOR: Computer Science
- GPA: 3.55

SKILLS

- **Java:** Expert
- **React:** Advanced
- **Python:** Advanced
- **AWS:** Advanced
- **SQL:** Intermediate
- **C:** Intermediate
- **Adobe Creative Suite:** Expert
- **Figma:** Advanced

RELEVANT COURSEWORK

- Data Structures
- Computer Architecture (Machine Structures)
- Discrete Mathematics and Probability Theory
- Efficient Algorithms and Intractable Problems
- Computer Graphics
- Artificial Intelligence
- Full-stack development (Audit)
- Machine Learning (In-Progress Audit)
- Data Science
- Designing Information Devices and Systems
- Multivariable Calculus
- Linear Algebra and Differential Equations

EXPERIENCE

AMAZON

Software Development Engineer II
Software Development Engineer I

2023.03–2023.06
2020.09–2023.03

- Led initiatives within AWS to enhance, scale, and maintain a high-performance service handling 8,000+ requests per second, ensuring seamless delivery of contextually relevant visual content to customer devices
- Contributed to the acquisition of 4.5 million active users for Alexa Home Productivity features by spearheading the implementation of A/B experiments using Java, SQL, and Alexa Presentation Language.
- Launched over 25 experiments to all Alexa Home Productivity customers and developed comprehensive metrics to conduct in-depth data analysis
- Collaborated cross-functionally to ideate, design, and deploy innovative features, fostering seamless user experiences across platforms
- Pioneered infrastructure setup for initial Alexa Home Productivity experiments on devices with screens, successfully executing experimental runs to drive product refinement

INJECTSENSE

Artificial Intelligence Intern

June 2018 – August 2018

- Collaborated with Software Engineers to advance AI in medical applications
- Assisted in devising ML strategies for medical data analysis, gaining practical AI expertise

INPHI CORPORATION

Software Engineering Intern

June 2017 - July 2017

- Streamlined data management using Python and SQL, consolidating scattered test information into a standardized Excel format.
- Engineered an internal database for streamlined access to chip data, enhancing report generation and analysis capabilities.

PROJECTS

PERSONAL WEBSITE

2024

- Illustrated, designed, and constructed a dynamic personal portfolio website from scratch utilizing React, Adobe Creative Suite, and Figma

MINECRAFT SHADER (Class Project)

2020

- Employed advanced techniques such as Blinn-Phong Shading, Sinusoidal Wave Modeling, and Transparency equations to develop a lifelike water rendering system within Minecraft using OpenGL

PLANNED SABBATICAL

- Took time off to work in Yellowstone National Park and explored 10 Latin American countries, refining my Spanish to a conversational B2 level. Additionally, I enhanced my full-stack and web development skills by crafting a comprehensive portfolio website from scratch, audited a UC Berkeley web design course, and am currently auditing a machine learning course through Berkeley