Eric Huang

Software Development Engineer

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Summary

Double major in Electrical Engineering / Computer Science (B.Sc.) and Data Science (B.A.) at UC Berkeley.
Proficiency in computer programming and data analysis.
Advanced understanding of mathematics and information devices and systems.
Proven ability to work in and lead teams, learn fast, and solve problems.

Education

Junior Undergraduate | University of California Berkeley, Berkeley, CA
Double major in Electrical Engineering / Computer Science (B.Sc.) and Data Science (B.A.) | GPA: 3.6/4.0
Expected Graduation Date: May 2025

- Completed coursework in Data Structures, Computer Organization and Design, Computer Security, Artificial Intelligence, Computer Databases, Efficient Algorithms and Intractable Problems, Designing Information Devices and System, Operating Systems, Optimization Models in Engineering, Techniques of Data Science, and Discrete Math.
- Currently completing coursework in Cryptography and Concepts of Probability

High School Dual Enrollment | Michigan State University, East Lansing, MI
2019 – 2021 | GPA: 4.0/4.0

- Completed coursework including Multivariable Calculus, Linear Algebra, Differential Equations, Statistics, Organic Chemistry, and Physics.

Work Experience

University of California, Berkeley
Teaching Assistant (Computer Security) | Berkeley, California | May 2023 – August 2023

- Helped other students better understand the material of a high-level computer security course.
- Worked in a team environment to write / pre-test exams and discuss class details.
- Managed office hours to help students better learn the material and troubleshoot.

Michigan State University
Research Intern | East Lansing, MI | May 2022 – August 2022

- Implemented computer vision code to detect human faces and bodies.
- Analyzed the human bounding box data from raw and field images and videos.
- Developed software to compare collected data against other sources.

Michigan State University
Research Intern | East Lansing, MI | May 2020 – August 2021

- Analyzed research involving blood fluid dynamics in the cardiovascular system.
- Extracted data from research papers and applied it in simulations.
- Utilized Paraview to analyze simulated cryoballoon ablation results in a heart model.

Skills and Expertise

- Proficient in SQL, Regex, Java, C, C++, Python, Golang, Git, Github, Intellji, Visual Studio, Docker
- Skills in problem-solving, time-management, team collaboration, communication, and adaptation
- Technical skills in statistical analysis, debugging, code optimization, algorithms, and design