

Eric Huang

Software Engineer

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Summary

Electrical Engineering / Computer Science student at University of California, Berkeley with proficiency in computer programming and data structures. Advanced understanding of mathematics and information devices and systems. Proven ability to lead others and solve problems. Fast learner and strong team player.

Goal

Apply programming skills to solve real world problems, especially those in helping improve software.

Experience

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.

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.

Worked in a team environment at Panera Bread and volunteered at Sparrow Hospital to provide the best possible service.

Skills and Expertise

- Fluent in SQL, Regex, Java, C, C++, Python
- Proficient in statistics, discrete math, calculus, circuits, and linear algebra
- Problem-solving
- Time-management
- Leading peers towards a common goal
- Strong team player

Education

High School Diploma | Okemos High School, Okemos, MI

Graduated 2021 | GPA: 4.0/4.0

- Valedictorian
- National AP Scholar
- National Merit Semifinalist
- Elected Varsity Swimming Captain and Varsity Water Polo Captain.
- National Honors Society Member.

Dual Enrollment | Michigan State University, East Lansing, MI

2019 – 2021 | GPA: 4.0/4.0

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

Undergraduate | University of California Berkeley, Berkeley, CA

Electrical Engineering and Computer Science | Senior by Credit: January 2023 | GPA: 3.7/4.0 | Expected Graduation Date: May 2025

- Completed coursework in Data Structures, Discrete Math, Designing Information Devices and System, Computer Organization and Design, Computer Security, and Artificial Intelligence
- Currently completing coursework in Computer Databases, and Efficient Algorithms and Intractable Problems
- Intend to Double Major in Electrical Engineering and Computer Science, and Data Science.