Eric Wang

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Education

University of Pennsylvania Philadelphia, PA
Bachelors of Science in Computer Science, Minor in Mathematics *Aug 2021 – May 2025*

GPA: 3.6

Relevant Coursework: Discrete Mathematics, Multivariable Calculus, Linear Algebra, Internet Social Systems, Data Structures and Algorithms

Experience

Hardware Engineering Intern June 2022 – Aug 2022
Nimble AI *San Francisco, CA*

- Assembled and tested electromechanical assemblies for robotic fulfillment systems
- Wrote and optimized robot firmware in C++
- Developed a motor test GUI using pySerial

Mobile Developer Feb 2022 – May 2022
ARTZ Philadelphia *Philadelphia, PA*

- Built ARTZ Philadelphia's mobile application using React Native
- Implemented real-time admin control using Django Admin
- Deployed to Apple and Google Play Stores

Computer Science Teaching Assistant Jul 2021 – Aug 2021
SAM Labs *Portland, OR*

- Created lesson plans for 20 Attendees of the 2021 PPS STEM Summer Program
- Taught engineering principles and programming skills through SAM Suite and SAM Space

Augmented Reality Research Assistant Apr 2021 – Jul 2021
Oregon Health and Science University *Portland, OR*

- Researched applications of augmented reality tech in interventional radiology
- Programmed vision tag detection methods for superimposing 3-D models over patient vitals

Projects

SEAS Wellness Grade Calculator | *React.JS, Git* Jan 2022 – Feb 2022

- Developed an online grade-calculator in partnership with the School of Engineering
- Worked with a team of five to design and construct the website front-end in React.JS
- Implemented grade distribution tracking and grading scheme selection

CT Tag Seeker | *Python, OpenCV, PyDICOM* Apr 2021 – Jul 2021

- Programmed a method for automatically identifying sterile vision tags in CT scans
- Utilized OpenCV and PyDICOM to threshold and identify tag contours within scan files

ZipBag | *Autodesk Fusion 360* Nov 2020 – Jun 2021

- Led a team of four in the creation of a Ziploc bag opener for people with limb difference
- Spearheaded the design, and fabrication of the product
- Won first place and a 3,000 dollar cash prize at the 2021 Source America Design Challenge

Technical Skills

Languages: Java, Python, JavaScript, HTML/CSS, OCaml, C++
Technologies: JQuery, Node.JS, React, OpenCV, PyDICOM