ERIN YAN

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EDUCATION

Carnegie Mellon University   **May 2024**
Bachelor of Science in Electrical Computer Engineering
Relevant Coursework: Fundamentals of Programming & Computer Science (Python), Differential and Integral Calculus, Introduction to Electrical Computer Engineering (Arduino), Writing about Data
Extracurriculars: Tartan Scholars (leadership program for low income, first-gen students), CIA buggy, Society of Women Engineers, Women in Electrical & Computer Engineering

The Bronx High School of Science   **June 2020**
GPA 3.8 SAT 1520
Relevant Coursework: AP Computer Science, AP Physics, AP Calculus BC, Experimental Engineering, AP Biology

TECHNICAL EXPERIENCE

Google Computer Science Summer Institute— Student   **July 2020- August 2020**
- Learned JavaScript through live code alongs
- Attended developmental workshops to better understand how to improve in programming
- Collaborated with partners daily to complete daily coding goals
- Completed Bomberman game with partner using JS, HTML, and CSS https://scandalous-tidy-tamarind.glitch.me

Beaver Works Summer Institute, MIT, Boston — Student   **July 2019 - August 2019**
- Built a 3D printer and learned GCode
- Designed and 3D printed a 12 in bridge that could hold up to 50 lbs and created a filament recycler that recycles old prints and support materials
- Developed knowledge of additive manufacturing and its implications for future development of industry
- Went to different companies to learn about material science and its growing importance

Girls Who Code Summer Immersion Program, MetLife — Student   **July 2018 -August 2018**
- Explored coding in various languages such as Python, CSS, and HTML
- Used Python for data analysis and visualizations
- Created website using HTML and CSS and incorporated APIs to make a diagnostic tool for diseases

PROFESSIONAL EXPERIENCE

Berri.io — Frontend Developer   **October 2020- Current**
- Aided in developing Berri.io, a website that helps college students make friends anonymously within their college
- Updating app interface and creating custom components to aid mobile user experience
- Learned Quasar and Vue.js to create dynamic web pages
- Influenced Berri.io most successful launch to Carnegie Mellon University

Singh Labs Brooklyn College — Intern   **October 2019- June 2020**
- Performed homology modeling and docking analysis on proteins
- Won Semifinalist in JSHS research competition
- Analyzed protein structure and function using various bioinformatics programs

AWARDS AND LEADERSHIP

Fe - Maidens FRC Robotics Team- Head of Electronics   **October 2017–June 2020**
- Lead a group of 10 people in developing electronics board
- Developed curriculum for teaching Arduino sensors and Fusion 360 to new members
- Team was awarded the 2018 Engineering Inspirational Award and was the 2019 NYC Regional Champions
- Designed, built, and maintained electronics board for robots using various machines such as CNCs, 3D printers, drills, and sanders
- Modeled and created custom cases and mounts for 3D printing using Fusion 360 and Solidworks

NYC Metro Junior Science and Humanities Symposium (JSHS) Regional Semifinalist   **March 2020**
- Wrote a research paper with a professor and presented final paper to professionals at York College

AP Scholar With Distinction   **2019 - 2020**
- Received an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams

KEY SKILLS

Technical Skills: Python, Java, JavaScript, HTML, CSS, Arduino, Mathlab, Fusion 360, Onshape
Spoken Languages: English, Chinese