ERIN YAN

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EDUCATION

Carnegie Mellon University **May 2023**
Bachelor of Science in Electrical Computer Engineering GPA 3.9
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

TECHNICAL EXPERIENCE

Google Computer Science Summer Institute **July 2020- August 2020**

- Participated in an intensive 4-week computer science summer program for high-achieving students
- Attended developmental workshops to better understand product design, software engineering interviews, and resume development
- Completed 15-project-based Javascript processing curriculum taught by Google Engineers
- Developed multiple personal projects while independently learning new languages and frameworks including: HTML, CSS, Node.js, and Github

Berri.io — Front-End Developer **October 2020- Current**

- An essential part of developing Berri.io, a website that connects and enables college students to make friends through personality and interest within their university
- Leads the team in updating app interface and creating custom components to aid mobile user experience
- Works on the 6-person coding team for this startup
- Independently learned Quasar and Vue.js to create dynamic web pages
- Managed Berri.io's launch and rollout for Carnegie Mellon University

Singh Labs - Brooklyn College — Research Assistant **October 2019- June 2020**

- Completed full research paper: Computational Analysis of the Fruit Fly Nuclear Receptor E75B Reveals a Conservation of the HODE Binding Function with Human PPAR-γ
- Performed homology modeling and docking analysis on PPARγ and E75b proteins
- Analyzed protein structure and function using various bioinformatics programs
- Found homologous pathway between fruit fly and human physiologies with potential biomedical applications to cardiology and oncology research

AWARDS & LEADERSHIP

Fe-Maidens FRC Robotics Team - Head of Electronics **October 2017–June 2020**

- Lead a group of 10 people in developing electronic boards
- Developed curriculum for teaching how to use Arduino sensors and Fusion 360 to new members
- Team awarded the 2018 Engineering Inspirational Award and named 2019 NYC Regional Champions
- Designed, built, and maintained electronic boards for robots using various machines including: CNCs, 3D printers, drills, and sanders

NYC Junior Science and Humanities Symposium Regional Semifinalist **March 2020**

- Submitted and presented research to scientists at York College

KEY SKILLS

Python, Java, JavaScript, HTML, CSS, Arduino, Mathlab, Fusion 360, Onshape, Microsoft Office
Fluent in Mandarin Chinese