Benjamin Zhao

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EDUCATION

Carleton College Sep 2021 - June 2025
GPA: 3.8 Rising Junior summer 2023
Bachelor of Arts: Computer Science, Mathematics Minor, Concentration in Finance
Awards & Certificates: William E Newing Memorial Scholarship, National Scholar Athlete Award(National Football Foundation), Magna Cum Laude(High School), Presidential Service Award
Relevant Coursework: Data Structures, Software Development, Discrete Math Structures **Spring 23**: Algorithms
Activities: Athlete Investment Club, Varsity Football, Club Rugby(Public Relations Officer)

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML, R, CSS, Javascript,
Skills: Software Development, Pandas, Numpy, Website management, Consulting, Data Analytics
Languages: English (Native), Mandarin (Native), Spanish(Basic)

PROJECTS

Cahai.org | *Website Development: Personal Project*| Fairfield, CT Jun 2021 - June 2022
- Led in utilizing **HTML** and **graphic design** skills to manage and update website for local nonprofit organization as part of a team
- Marketed with over 50 local business owners to promote sponsorship and advertising to increase traffic to website
- Drove over 200% increase efficiency for organizing events, selling tickets, and managing members

PROFESSIONAL EXPERIENCE

Oracle (OCI)| *Incoming Software Engineer Intern*| Austin, TX June 2023

Carleton College| Northfield, MN
Computer Science Course Staff and Lab Assistant Sept 2022 – June 2023
- Led in working with over 50 computer science students weekly to enhance their understanding of core concepts and materials
- Delivered debugging feedback and grades to between 30-60 students for 1-3 weekly programming projects

Athletic Administrative Assistant Sep 2021 - Present
- Created **Python algorithm**, increasing efficiency by over 1000%, to track varsity rosters, letters, and awards electronically
- Led using data to create 200% faster process for managing concession stands for all athletic events to delivery inventory and fill orders

Frontage Laboratories, Inc| *Data Analyst Intern* | Exton, PA Dec 2021 - Jan 2022| June - Aug 2022
- Created **Python algorithm** by leveraging **pandas and numpy** to automate tracking data, increasing efficiency by over 100%, for over 300 biological instrument inventories and distribution
- Managed orders totaling over $100,000 in biological supplies and lab materials to deliver supplies to more than 25 research and clinical studies
- Led in quality control through **pandas** to reduce errors by 25% with archiving and tracking data from biological sample studies

Small Business Owner: Self-Employment | *Founder of Business and President* | Fairfield, CT June 2018 - Mar 2022
- Deliver over 10000% increase in clientele from working alone and servicing a few households to between 500-1000 annual clients
- Led a team ranging from 10-30 high school students to deliver home improvement and contractor services in Fairfield County.
- Managed meetings with over 100 clients weekly to assign jobs, deliver price estimates, and collect and distribute revenue
- Established roots for future generations of high schoolers to serve community and created period of transition for current high school students to take over day to day interactions with clientele

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Piper Sandler| *Incoming Career Exploration Program Participant*| Houston, TX Feb 2023

Marsh Creek Youth Football| *Coach* | Exton, PA June - Aug 2022
- Led in teaching over 50 youth football players football development skills en route to compete in repeating as state champions

American Society for Biochemistry and Molecular Biology (ASBMB)| *Research Presenter* | Research Publication April 2021
- Abstract Published in FASEB Journal: May 2021 and poster presenter at 2021 Experimental Biology conference
- Computational biology research modeling the integrin adhesion code using bipartite graph models in **R** for simple cell type prediction and modeling the entire adhesome to help develop adhesome based medicine.