Darren Zhang

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📞 646-641-0775

Education

BA | Computer Science and Mathematics
Hunter College | Expected Graduation: June 2022
- GPA: 3.957
- Phi Beta Kappa Honor Society
- Honors Sage Scholar
- Dean's List

Stuyvesant High School | June 2018
- GPA: 4.0

Coursework

Computer Science
Data Structures and Algorithms
Software Engineering
Software Analysis and Design I, II and III
Open Source Software Development
Computer Theory
Computer Architecture I and II

Math
Probability Theory
Linear Algebra
Mathematical Analysis I
Discrete Mathematics
Calculus II and III

Other Activities

Open Source Club
Hunter ACM
ICPC Programming
Hunter College Codefest

Experience

Software Engineer Intern | Department of Transportation
Jun 2020 - Present
- Designed and implemented the user management UI and microservice, which manages 147 users and 25 user groups.
- Implemented features such as user / usergroup details, filter, search, authentication and mapped out relationships between user, user group, function, function group, and routes.
- Wrote API endpoints, complex SQL / LINQ queries, and constructed controllers from models following the MVVM architectural pattern.
- React, Redux, .Net Core, C#, Material UI

Software Engineer Intern | Numina
Jan 2020 - June 2020
- Integrated new features into the admin panel using information retrieved from Apollo queries.
- Developed new metrics, created new visualizations, augmented reports with new data from sensor API, and improved report styling and layout.
- Python, Jupyter Notebooks, Matplotlib, Pandas, Web APIs (GraphQL and REST), HTML, CSS.

Teaching Assistant | Hunter College
Jan 2020 - May 2020
- Assisted 30+ students every lab session by solidifying their understanding of data structures and algorithms and providing C++ code debug.
- Supervised students and administered quizzes during lab hours and a lecture of 300+ students.

Web Development Fellow | NYC Tech Talent Pipeline
Jan 2020 - Feb 2020
- Participated in an accelerated bootcamp covering web development principles and frameworks, which included tools and technologies like: HTML, CSS, JavaScript, Node, Express, React, Redux, SQL, and PostgresSQL.

Projects

Voter Hub | Team Project
- Frontend: https://git.io/Jv3nl Backend: https://git.io/Jv3nR
- Developed a connected hub for users to find voting information and discuss. Entering an address finds a list of representatives and info about them, including contact info, headlines, and funding. Creating an account lets you participate in message boards.
- React, Redux, HTML, CSS, JavaScript, Node, Express, Sequelize, and PostgresSQL

LifeSaver | QC hackattack | https://git.io/Je6Fv
- First Time Hackers Winner, out of 300+ hackers
- Created a Chrome Extension that ranks the safety level of a neighborhood.
- Used FBI data from NYC Open Data; Used Python, JavaScript, HTML, Bootstrap, Chrome Extension.

Languages and Technologies

- Languages: Python, JavaScript,C++, C# HTML, CSS, SQL
- Technologies: React, Redux, Express, NodeJS, .Net Core, SQL Server, MongoDB,