

Darren Zhang

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Education

Hunter College

New York, NY

BACHELOR OF ARTS - COMPUTER SCIENCE AND MATHEMATICS DOUBLE MAJOR, GPA: 3.96/4.0

May 2022

- Achievements: Honors Sage Scholar, Phi Beta Kappa Honor Society, Dean's List
- Courses: Data Structure and Algorithms, Software Engineering, Open Source Software Development, Computer Theory, Software Analysis and Design (I, II, III), Computer Architecture (I, II), Probability Theory, Linear Algebra, Mathematical Analysis I, Discrete Mathematics, Calculus III

Skills

Languages JavaScript, Python, C++, C#, HTML, CSS, SQL

Frameworks React, Redux, Node.js, Flask, .Net Core, SQL Server, MongoDB, Docker, GraphQL, Express, Git

Experience

TheCodex

New York, NY

CONTENTS DEVELOPER

Aug 2020 - Present

- Creating Python tutorials for <https://thecodex.me>, which is currently used by 575,000+ students.

NYC Department of Transportation

New York, NY

SOFTWARE ENGINEER INTERN

Jun 2020 - Aug 2020

- 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, Material UI, .Net Core, C#, SQL, Docker, Kubernetes

Numina

New York, NY

SOFTWARE ENGINEER INTERN

Jan 2020 - Jun 2020

- Integrated new features into the admin panel using information retrieved from AWS through 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, AWS.

Hunter College

New York, NY

TEACHING ASSISTANT

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.

NYC Tech Talent Pipeline

New York, NY

WEB DEVELOPMENT FELLOW

Jan 2020 - Feb 2020

- Selected as one of 25 students out of 400+ applicants to participate in an accelerated bootcamp covering web development principles and frameworks, which included tools and technologies like: HTML, CSS, JavaScript, Git, Node, Express, React, Redux, SQL, and PostgreSQL.

Projects

Voter Hub | <https://voterhub.netlify.app/> | <https://git.io/Jv3nl>

- 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.

Stockfolio | <https://git.io/JUfcQ>

- Developed a stock portfolio where users can buy/sell stocks, view transaction history and view stock portfolio.

User Management System | <https://git.io/JUvzx>

- Designed, implemented, and deployed the client-side User Management UI and the server-side microservice.

LifeSaber | <https://git.io/Je6Fv>

- First Time Hackers Winner and best team name, out of 300+ hackers at Queens College HackAttack
- Created a Chrome Extension that ranks the safety level of a neighborhood using FBI data from NYC Open Data;