

David Zheng

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EDUCATION

New York University, Tandon School of Engineering, New York, NY

Expected May 2020

Bachelor of Science, Computer Science

Awards: Dean's List 2016-2019, Pearl Brownstein Junior Award GPA: 3.9

Relevant Courses: Data Structures, Algorithms, Databases, Networking, Software Engineering, OOP

SKILLS

Programming Languages: Python, C++, HTML, CSS, JavaScript, SQL

Tools / Frameworks: Adobe Photoshop, Git, Bootstrap, Power BI

Foreign Languages: Intermediate Mandarin

EXPERIENCE

Bank of New York Mellon, New York, Summer Technology Analyst

June 2019 – Aug 2019

- Collaborated on 5 Power BI reports to make data more user accessible
- Developed queries to get data from hive tables stored on the Hadoop Distributed File System
- Made enhancements to email monitors for more meaningful alerts
- Developed bash scripts to automate refresh impala metadata and compress data to improve performance

Chairseven, New York, *QA Intern*

July 2018 - Aug 2018

- Issued and completed correction tickets on Gitlab
- Debugged and modified existing codebase to improve usability of features
- Performed QA on web interactives for a psychology curriculum published by W.W. Norton
- Participated in pair coding activities and daily scrum meetings

Full Stack Modular, New York, *IT Intern*

June 2017 - Aug 2017

- Collaborated on a web-based knowledge capture platform to streamline flow of information within the company
- Developed a Winform application using C# to automate folder structure creation
- Prototyped a web management system to query design files to a 3rd party software
- Utilized web technologies: HTML, CSS, JavaScript, PHP, MySQL

PROJECTS

Capstone Project – Shuffle (<https://github.com/DavidDev21/Shuffle>)

Sept 2018 - Present

- Designing a web application with the goal of improving the career searching process for college graduates
- Leading weekly team meetings and applying software engineering practices
- Coordinating code tasks and managing project schedule

Database Project – PriChoSha (<https://github.com/DavidDev21/CS3083-PriCoSha>)

Sept 2018 – Dec 2018

- Developed a web application that allows users to share content with others
- Utilized Python Flask to query a MySQL database

EXTRACURRICULARS

FIRST Robotics Team, Fresh Meadows, NY, *Head Programmer, and Co-Captain*

Sept. 2013 - June 2016

- Managed, trained, and assisted eight programmers within the robotics teams
- Handled electronic wiring, and robot modifications during competition
- Troubleshooted hardware and software issues
- Programmed semi-autonomous robots using RobotC and Java