

# David Zheng

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## EDUCATION

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**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

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

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

**Foreign Languages:** Intermediate Mandarin

## EXPERIENCE

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**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 3<sup>rd</sup> party software
- Utilized web technologies: HTML, CSS, JavaScript, PHP, MySQL

## PROJECTS

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**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

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**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