Kaixuan Zhou

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EDUCATION

New York University *Tandon School of Engineering*   Sep. 2020 - May 2021
MS in Computer Science, GPA **4.000**/4.000
New York University *Tandon School of Engineering*   Sep. 2017 – Aug. 2020
BS in Computer Science, *summa cum laude*, GPA **3.964**/4.000
<u>Honors</u>: **Outstanding Academic Achievement Award (2019),** *Deans List Student (2017-2020)*
<u>Relevant Coursework</u>: *Algorithms, Big Data, Computer Architecture and Organization, Data Structures, Database, Machine Learning, Networks, OOP, Operating System, Parallel and Distributed System, Software Engineering*

SKILLS:

Programming Languages: Golang, Python, C++, Rust, JavaScript, Swift, HTML5, CSS
Other: Node, React, SQL, AWS, Git

WORK EXPERIENCE

Software Engineer, Facebook, Menlo Park, CA   July 2021 – Present
NYU Tandon, Brooklyn, NY   Sep. 2018 – May 2021
- Dec. 2020 – May 2021: **Software Developer** for prof. Jiehang Zhang's physics lab
- Sep. 2020 – Dec. 2020: **Teaching Assistant** for *Design and Analysis of Algorithms*
- Jan. 2019 – Jan. 2020: **Tutor** for *Data Structure and Object Oriented Programming*
- Jan. 2019 – Jun. 2019: **Research Assistant**
- Sep. 2018 – Jan. 2019: **Teaching Assistant** for *Discrete Mathematics*

Software Engineer Intern, Facebook, Menlo Park, CA   May 2020 – Aug. 2020
- Worked on multiple full-stack features involving React Native / Relay / GraphQL / Hacklang.

Cloud Data Engineering Intern, Verisk Analytics, Jersey City, NJ   Jun. 2019 – Aug. 2019
- Constructed and optimized data pipelines using Go and Rust. Reduced the time of one ETL process by **80%**.
- Built microservices for data transferring in a serverless setting. Contributed over 3k lines of significant code.
- Developed POC projects around the concept of "auto-generate data pipelines based on service parameters", so that business and data colleagues can easily customize the needed pipelines for different projects.

LEADERSHIP EXPERIENCE

NYU Tandon CSSA Tech Department (student organization)   Sep. 2017 – Aug. 2020
- <u>*President*</u> *(May. 2019 – Aug. 2020);* Brainstormed and initiated project ideas; manage milestone deadlines.
- <u>*Active team member*</u> *(Sep. 2017 – April 2019);* Participated in creating an online pair-up app for the club event – "if you are the one". Continuously contributed to club's semester-long programming projects.

PROJECTS

2D Orthogonal Range Tree Visualization (academic) | JavaScript, d3   Mar. 2021 – May 2021
- Implemented, visualized and documented Weak Heap – a variant of binary heap.

Gobert · Wise Classes (team) | Node.Js, React.Js, MongoDB, GraphQL   Sep. 2019 – May. 2020
- Crawled the entire NYU courses website (NYU Albert) and part of Rate My Professor website's NYU Professors' information with Python selenium.
- Provided a course-oriented AND professor-oriented platform for NYU students.

Weak Heap Visualization (academic) | C#, Unity   Mar. 2019 – May 2019
- Independently researched, implemented, visualized and documented Weak Heap – a variant of binary heap.