LUJIE (SUE) ZHAO

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EDUCATION

New York University   *Brooklyn, NY*
B.S. in Computer Science, Minors in Mathematics and Finance   *Sep. 2018 - May 2021*
GPA: **3.77/4.00**

Experiences

Google   *New York, NY*
STEP Intern   *June 2020 - Sep. 2020*

- Implemented pages of CDPush team for the current system for directory, one-push, and all pushes.
- Built visualization elements for the configuration pushes; helped **2000+** daily active users understand the process of the push and estimated the completion time.
- Front-end development using **TypeScript** with **Angular** framework, **D3.JS**, Sass and Protocol Buffers.

New York University   *Brooklyn, NY*
Software Engineer Intern   *Oct. 2020 - Present*

- **Deputy of Website Development Committee** for General Engineering Department.
- Design, build and launch new *course website* for Intro to Engineering from the ground up; implement thorough documentation and maintain the website for **1000+** daily active users.
- Full-stack development using **JavaScript** with **JavaScript** framework, **Node.JS**, **Bootstrap** and **MySQL**.

New York University, AI4CE Lab   *Brooklyn, NY*
Research Intern   *June 2019 - Aug. 2019*

- Modified two TurtleBots and modeled them accordingly in Revit. Built Gazebo simulated environment and collected training data (7500 images) for future machine learning process.
- Developed **Python** algorithms for image detection and path planning for single robot in 2D.
- Implemented ROS to the robots with **C++**. Calibrated them to run and printed a floor plan on a 3m x 6m board.

Competitive Programming Club   *Brooklyn, NY*
Competitor   *Sep. 2019 - Present*

- Contribute in weekly contests using **C++** & **Python** and prepare for annual ACM-ICPC competition.

Honors & Awards

VEX U World Championship

2019	**VEX U World Champion**, Ranked No.1 out of 77 teams from 13 different countries.	*Louisville, KY*
2018	**VEX U World Finalists**, Ranked No.2 out of 83 teams from 13 different countries.	*Louisville, KY*
2017	**VEX U World Finalists**, Ranked No.2 out of 62 teams from 13 different countries.	*Louisville, KY*

Skills

Languages   Python, C++, Java, JavaScript, TypeScript, PHP, Node.JS, C, SQL, HTML, CSS
Tools   Git, Bootstrap, Tableau, Adobe Illustrater, Adobe Photoshop, Final Cut Pro, LaTeX