

LUJIE (SUE) ZHAO

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EDUCATION

New York University

B.S. in Computer Science, Minors in Mathematics and Finance

GPA: **3.77/4.00**

Brooklyn, NY

Sep. 2018 - May 2021

Experiences

Google

STEP Intern

New York, NY

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

Software Engineer Intern

Brooklyn, NY

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 **React** with **JavaScript** framework, **Node.JS**, **Bootstrap** and **MySQL**.

New York University, AI4CE Lab

Research Intern

Brooklyn, NY

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

Competitor

Brooklyn, NY

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 Illustrator, Adobe Photoshop, Final Cut Pro, LaTeX