

LUJIE (SUE) ZHAO

Keep your head in the cloud.

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EDUCATION

New York University

Brooklyn, NY

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

Sep. 2018 - Dec. 2021

Coursework: Algorithms, Operating Systems, Computer Architecture,
Networking, Network Security, OOP, Artificial Intelligence, Machine Learning

GPA: 3.803/4.000

Experiences

Google

Sunnyvale, CA (Remote)

STEP Intern

June 2020 - Sep. 2020

- Implemented internal pages of **CDPush team** for the 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 estimate 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

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

New York University, AI4CE Lab

Brooklyn, NY

Research Intern

June 2019 - Aug. 2019

- **Large Scale Mobile Robot 3D Printing** with Professor Chen Feng
- Modified and modelled two TurtleBots in Revit; built Gazebo simulated environment and collected training data (7500 images) for machine learning process.
- Developed **Python** algorithms for image detection and path planning of single robot in 2D.
- Implemented ROS to both robots with **C++**. Calibrated them to print a floor plan on a 3m x 6m board.

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

Activities

Poly Programming Team

Brooklyn, NY

Competitor

Sep. 2019 - Present

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

VEX U Robotics Team IFT

Various Location

Co-captain & Founder

Dec. 2015 - Apr. 2019

- Co-founded Team IFT with friends across different high schools and competed in VEX University division.
- Worked as the main programmer and led the team in regional competitions and World Championships.

Skills

Languages Python, C++, Java, JavaScript, TypeScript, C, SQL, HTML, CSS

Tools Git, Angular, React, D3.JS, Node.JS, Bootstrap, Tableau, Adobe Illustrator, Photoshop