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: 3.811/4.000

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 Illustrater, Photoshop