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 - Dec. 2021*
GPA: 3.85/4.00
Relevant Coursework: Algorithms, Artificial Intelligence, Computer Architecture, Networks, Data Structure, Intro to Machine Learning, Operating Systems, Object Oriented Programming, Network Security

SKILLS

Languages Python, C++, Java, JavaScript, TypeScript, C, SQL, HTML
Tools Git, React, Angular, D3.JS, Node.JS, Bootstrap, Tableau, LaTeX

EXPERIENCE

Google   *Sunnyvale, CA (Remote)*
Software Engineer Intern   *May 2021 - Aug. 2021*
- Build IAM APIs for disabling and enabling service account key under **Google Cloud Identity Team** with user interface integrated in command line tool and Google Cloud Console.
- Initiate project design document, user guide, and support document. Test in production environment.
- Lead cross-team project involving engineers from four different teams and GA launch the project.
- Improve key life cycle and user experience for **millions** service account key customers.
- Back-end development using **C++**, **Java**, and **Protocol Buffers**.

Google   *Sunnyvale, CA (Remote)*
STEP Intern   *June 2020 - Sep. 2020*
- Implemented internal pages of **Config and Data Push Team** for the directory and configuration pushes.
- Built visualization elements to illustrate process of a single push. Helped **2000+** daily active users understand the process of the push and estimate the completion time.
- Front-end development using **TypeScript** with **Angular** framework and **D3.JS**.

New York University   *Brooklyn, NY*
Head of Web Development Committee   *Oct. 2020 - Present*
- Develop and launch new course website for Intro to Engineering and Design under **General Engineering Department**. Maintain the website for **1000+** daily active users.
- Design database schema and backend APIs. Keep through documentations and onboard new members.
- Arrange weekly meeting with professors and other committees to incremental develop the site.
- Full-stack development using **JavaScript** with **React** framework, **Node.JS**, **Bootstrap** and **MySQL**.

ACTIVITIES

New York University, AI4CE Lab   *Brooklyn, NY*
Research Intern   *June 2019 - Aug. 2019*
- Set the baseline for **Large Scale Mobile Robot 3D Printing**, aiming to achieve multiple robots 3D printing.
- Built Gazebo simulated environment and collected 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.

Competitive Programming Team   *Brooklyn, NY*
Competitor   *Sep. 2019 - Present*
- Contribute in weekly contests using **C++** & **Python** and compete in annual ACM-ICPC competition.

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*