

# 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: 3.868/4.000

Relevant Coursework: Algorithms, Artificial Intelligence, Computer Architecture, Networks, Databases, Data Structure, Machine Learning, Operating Systems, Object Oriented Programming, Network Security

## SKILLS

**Languages** Python, C++, Java, JavaScript, TypeScript, C#, C, SQL, HTML

**Tools** Git, React, Angular, D3.JS, P5.JS, Node.JS, Bootstrap, Tableau, LaTeX

## EXPERIENCE

### Google

Sunnyvale, CA (Remote)

Software Engineer Intern

May 2021 - Aug. 2021

- Built 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. Tested in production environment.
- Initiated design documentation, user guide, and support document. Presented the project to the director.
- Led cross-team project involving engineers from four different teams and GA launched the project.
- Improved 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.
- 2018 **VEX U World Finalists**, ranked No.2 out of 83 teams from 13 different countries.
- 2017 **VEX U World Finalists**, ranked No.2 out of 62 teams from 13 different countries.

Louisville, KY

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