

# Annie Zhang

## Backend Developer | Software Engineer

Mountain View, CA | 425-500-8889 | [anniezhangmv@gmail.com](mailto:anniezhangmv@gmail.com) | LinkedIn: [AZ](#) | Github: [AZ](#) | Portfolio: AZ

### TECHNICAL SKILLS

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**Backend:** Python, Java, Django, Spring boot, AWS, DynamoDB, MySQL database, Dagger, SQL, Git, GitHub, Maven, REST API, Bash

**Frontend:** JavaScript, HTML, CSS, Bootstrap

**Data Analysis:** SQL, SAS, Statistics, Excel

**Additional:** Agile Project Management, Data structure, Algorithms, Debugging, Deployment

### PROJECTS

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**Personal Portfolio Website**, *Backend, Front Developer*- PYTHON | DJANGO | HTTP | CSS | JAVASCRIPT | [Github](#)

- Built and deployed a website using python and Django to display my resume, LinkedIn profile, GitHub profile, my blog and other software engineering projects
- Created backend management system using Django to add/edit/delete my projects
- Designed and coded frontend of website using HTML, CSS, JavaScript and bootstraps

**Playlist API**, *Backend Developer*- JAVA | AWS LAMBDA | DynamoDB | DAGGER | RESTAPI | [Github](#)

- Built an RESTAPI with functionality such as create, retrieve, update and delete playlists, as well as add and delete songs
- Utilized DynamoDB to store all the playlists' and songs' information
- Utilized AWS lambda function to realize get, post, put and delete methods of the APT

**Package Fulfillment Service**, *Backend Developer*- JAVA | [Github](#)

- Built a backend system to assign order packaging to different fulfillment centers
- Access the available packaging options in different fulfillment centers

**Stock Tracker API**, *Backend, Front Developer*- PYTHON | DJANGO | HTTP | CSS | JAVASCRIPT | RESTAPI | [Github](#)

- Created web app allows users to check their selected stock's performance over the past five days
- Allows users to calculate the best time to buy and sell the stock during the past five days, as well as the maximum profit per share

**Sudoku Game**, *Backend, Front Developer*- PYTHON | DJANGO | HTTP | CSS | JAVASCRIPT | [Github](#)

- Created a sudoku game app utilizing backtracking algorithm so players could play sudoku game online

**Password Generator**, *Backend, Front Developer*- PYTHON | DJANGO | HTTP | CSS | JAVASCRIPT | [Github](#)

- Created an easy-to-use interface that helped users create password according to different criteria

### WORK EXPERIENCE

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**Communities Foundations of Texas, Dallas, TX - Data Analyst** 2019 - 2021

- Lead all the program strategic analysis efforts: monitoring and analyzing program and outside data to provide insights, information and identify opportunities to support program operation
- Lead all the program reporting efforts: Dashboard creation and Maintenance; Annual Final Report calculation and creation; other ad hoc reports and data documentation
- Assist Director of NTGD in all technology platform related issues: regular meetings with website vendor to address program need

### EDUCATION

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**Virginia Tech**, *Master of Science in Agricultural and Applied Economics*

**Shandong University**, *Bachelor of Economics (Major in Finance)*