

WILLIAM LI

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EDUCATION

Cornell University, College of Arts and Sciences, Ithaca, NY

May 2026

B.A. in Computer Science

- **Relevant Coursework:** CS 3110: Data Structures and Functional Programming, CS 2110: Object-Oriented Programming and Data Structures, CS 2800: Discrete Structures, MATH 2210: Linear Algebra

SKILLS

Languages: Java, Python, JavaScript

Frameworks: Spring Boot, Flask, Kubernetes

Certifications: AWS Certified Cloud Practitioner (2023)

Other skills: Git, jQuery, Postman, application testing, HTML5/CSS, Docker, Linux, AWS Cloud, CI/CD, Microsoft Office

EXPERIENCE

STATE FARM INSURANCE, Dallas, TX

May 2023 - Present

Software Engineering Intern

- Created an automated script using JavaScript to populate 40+ different screens of the Digital Auto Quote & Purchase UI, reducing runtime to around 55% of what it was before
- Showcased the script and its features to stakeholders, and deployed the script for usage by over 20 developers and testers within multiple teams
- Used Spring Boot and Postman to add features to, fix bugs in, and test the Digital Auto Quote API
- Gained exposure to frontend development (Angular, DOM, Chrome Devtools), backend development (Spring Boot, Java, automated/unit/mutation testing), and DevOps tools such as Docker, Kubernetes, and CI/CD pipelines

CORNELL ATKINSON CENTER FOR A SUSTAINABLE FUTURE, Ithaca, NY

January 2023 - May 2023

Student Employee

- Supported data analysis by cleaning, updating, and maintaining more than 20 databases containing 15 years of important documents, improving efficiency and organization for providing research grants

STATE FARM INSURANCE, Dallas, TX

June 2022 - July 2022

Software Engineering Intern

- Wrote automated acceptance tests for and helped debug internal State Farm APIs and products including the Digital Auto Quote API, Digital Documents API, Digital Purchase API, and Handyman, using the CodeceptJS test suite, Postman, and Spring Boot
- Worked with APIs, Git, and JavaScript in an Agile environment and gained backend development experience
- Presented work to 75+ State Farm employees including directors, managers, coworkers, and business partners

NASA STEM ENHANCEMENT IN EARTH SCIENCE PROGRAM, Dallas, TX

May 2021 - August 2021

Software Development and Research Intern

- Developed a conceptual model to forecast mosquito outbreaks in Texas
- Co-authored and published an abstract to the American Geophysical Union under the AGU Bright STaRS program

PROJECTS

STOCK ANALYSIS API

July 2023 - Present

- A REST API in Flask to provide an analysis of a stock, including future prediction of price, value, and risk
- Skills used: Python, Flask, React, AWS Cloud

PERSONAL WEBSITE

August 2023

- Created a website for myself from scratch, implementing web development and UI/UX best practices
- Link: <https://williamli32.github.io/home.html>
- Skills used: HTML, CSS, JavaScript, Git, Figma

ACADEMIC WORDLE GAME

May 2022

- My own version of the New York Times' Wordle game with SAT vocabulary words to help students study
- Won 1st overall in the Youth Entrepreneur Society Entrepreneurship Competition
- Skills used: Java, Git