

# ANGELA (ZI LAN) ZHANG

[Personal Website](#) | [Github](#) | [Email](#) | [LinkedIn](#)

## EDUCATION

**Columbia University**, New York, NY

**May 2025**

*Bachelor's in Computer Science*

GPA 4.12/4.00

Relevant Coursework: Software Design and Implementation, Object-Oriented Programming, Fullstack Engineering, Computer Networks, Engineering SaaS, Observability, Algorithms

## WORK EXPERIENCE

**Columbia University**, New York, NY

**May 2024 — Present**

*Teaching Assistant, COMS 4156 Advanced Software Engineering*

- Grading assignments, leading office hours, and providing academic support to students

**Palantir**, London, UK

**May — Aug 2022**

*Forward Deployed Engineer Intern*

- Engaged closely with business clients to understand their needs and create appropriate technical solutions
- Built an app with 1 other engineer in 14 days to mitigate emergency supply shortage for a major energy company
- Designed a system to identify redundancies and nondeterministic states in Palantir's data pipelines

**Amazon Web Services**, Seattle, WA

**Jun — Sep 2021**

*Software Development Engineer Intern*

- Promoted to 3rd-year university internship after interviews as a 2nd-year student
- Designed and coded an asynchronous file artifact merging service on the Lambda API to resolve Java-SDK timeout issues for large files

**Digital Applied Learning and Innovation (DALI) Lab**, Hanover, NH

**Aug 2020 — Jun 2021**

*Software Engineer*

- Admitted as one of the youngest to Dartmouth College's selective tech-entrepreneurial incubator
- Worked part-time to create web applications for a US government agency and researchers

## FEATURED PROJECTS

**Delivering an Urgent Risk Mitigation App for Customers in Time Crunch** | Palantir

**Aug 2022**

- Created a tool for a contracted energy company to resolve their urgent need to mitigate supply chain breakdowns
- Designed, built, user tested, and delivered the app in 14 days, with the help of 1 other engineer
- Presented and demoed the new app before clients and stakeholders successfully
- The tool is still being used by the company's crisis team to make informed decisions to this day

**Fixing Critical AWS Java-SDK Timeout Issue** | AWS Lambda Functions Team

**Jun — Sep 2021**

- Solved a Java-SDK timeout issue when merging larger file artifacts by making the operation asynchronous
- Decreased the layer merging API response time 10x by creating a database that tracks the function state of the asynchronous merge and returns the tracker response to the client as soon as the table entry is created
- Wrote thorough validation (unit, functional, integration, system, and performance) tests to ensure that the changes to a sensitive part of the codebase work as intended

**Full App Lifecycle of [Pine Beetle Infestation Prediction Tool](#)** | DALI Lab

**Sep — Jun 2021**

- Developed, delivered, and maintained a full stack web tool backed and funded by the US Forest Service
- During development, implemented the design team's frontend designs
- During maintenance, improved the prediction feature's speed from minutes to seconds by refactoring the algorithm and automating data pipeline storage/retrieval of calculations in noSQL via RESTful APIs

## CO-CURRICULAR ACTIVITIES

**Collegiate Varsity Women's Golf**, Recruited Division I Student Athlete

**Aug 2019 — Present**

- Thrives in a fast-paced environment, balancing 20h/week of practice with school and work commitments