

Tianqi Zhao

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EDUCATION

Bachelor of Science in Computer Science

Expected May 2023

Columbia University, New York, NY

- GPA: 3.74
- Relevant coursework: Programming in Java, Data Structures and the Fundamentals of Computing, Linear Algebra, Discrete Math, Web App Development, Operating Systems, Software Entrepreneurship, Natural Language Processing, Advanced Programming, Fundamentals of Computer Systems, and Computer Networks, Introduction to Databases, User Interface Design, Programming Language and Translators

EXPERIENCE

Software Engineering Intern

Changing Room, New York, NY

May 2022–present

- Work as incoming summer full-time intern to join the engineer team for full-stack development.

Software Engineering Intern

echo3D, New York, NY

May 2022–present

- Work as incoming summer part-time intern to join the engineer team for full-stack development.

Fundraising and Investment Intern, Almaworks Fellow

Tooler, New York, NY

Sep 2021–Dec 2021

- Work directly with the CEO in raising 750K for seed round fundraising, attend meetings with investors, and organize and keep up investor (VC and angel investor) relations. Receive Almaworks Fellowship from Almaworks Accelerator.

Software Engineering Intern

Elphi, Inc., Boston, MA

December 2020–January 2021

- Developed both front-end and back-end user interfaces for mortgage lenders to view and manipulate all the borrowers' information using React.js and used Firebase API for retrieving and storing the data.
- Implemented the Material UI design and corresponding React Framework in the current interface.
- Revamped and programmed the comparators' user interface using Material UI, React.js, React-Select API, Reactstrap API, and CSS so that mortgage lenders could compare, filter, and view their tasks. Led the front-end team of 2 by organizing and documenting all the tasks and files to improve the team's efficiency.

PROJECTS

DeisCareer

Project Lead, Boston, MA

Mar 2022–present

- Develop a full-stack website that extracts alumni career data, visualizes it for students, and allows Computer Science office assistants, departmental staff, and professors to interact (create, read, update and delete) with the database.
- Use Python Flask and MySQL as backend, Jinjia2, Fetch API, Bulma and vanilla Javascript as frontend, and DigitalOcean and PythonAnywhere as deployment service.
- Has handled over 100 Restful API requests and over 3000 lines of data.

Crust

Project Lead, New York, NY

Jan 2022–present

- Design a programming language that processes strings like AWK using C-like syntax and write the Language Reference Manual. As the project lead of 5 people, is responsible for code review, merging pull requests, and project management.
- Use OCamllex as Scanner, Ocamlyacc as Parser, and OCaml as Semantic Checker. Has added the support of char, string, array and modulus operator. Has over 2000 lines of code and over 50 git commits.

SKILLS

Java, Python, C, Html 5, CSS, JavaScript, Node.js, React.js, Express.js, MongoDB, MySQL, SQLite, OCaml, Assembly