

Zeyu (Andrew) Li

in Andrew-Li23

🔗 Zeyu-Li

zeyu.li23@gmail.com ✉

andrewli.site 🌐

Work Experience

Intuit

April 2024 - Present

Software Engineer 2

- Created retrieval-augmented generation (RAG) and classification models to categorize and analyze tax document PDFs, decreasing tax analyst programmers end to end workflow from 3 weeks to 1 week.
- Utilized Python and Langchain to create a LLM workflow for identifying code changes and code generation with LLMs in TurboTax for new tax years.
- Established a ML classification model utilizing GPT-4 and LangChain to onboard **5 million+** QuickBooks customers in less than **30 minutes** written in Python.

Zero RampUp

Sept 2021 - Jan 2023

Full-Stack Software Developer

- Designed and implemented a scalable cloud infrastructure platform using React and NestJS to deploy AWS infrastructure defined as JSON in less than **30 seconds**.
- Parallelized continuous integration (CI) pipeline, decreasing checks and build time by **25%**.
- Created backend services that utilized email notifications with SendGrid, Kubernetes, Terraform to spin up infrastructure, and GitHub actions to add deployment options.
- Optimized MongoDB database schema to be **50%** faster, resulting in no hang time for users.

University of Alberta

May 2021 - Dec 2021

Research Assistant

- Pioneered a construction worker data collection mobile app for analysis with React Native and Firebase.
- Beta tested and released on iOS and Android for construction workers.
- Integrated with a web portal to display, graph, and export worker data, reducing manual reporting by **100%**.

Projects

Reboot

Sept 2021

Neuro-tech research project striving to help address financial barriers in the delivery of virtual reality neurofeedback intervention in pain reduction using Unity/C# and BrainFlow, a ML noise decoder.

- Acquired **\$2,000** seed funding from a NeuroAlbertaTech hackathon.
- Supported OpenBCI and Muse brain activity scanning hardware.

UwULang

Oct 2021 - Present

A Turing complete interpreter and compiler for an emoji based programming language.

- Over **20** GitHub stars available to download as a Debian package.

YouTube Channel: Tinkering Penguin

Feb 2021 - Present

My YouTube channel with more than **250,000 views** and about 1,000 subscribers

- YouTube Channel: 📺 youtube.com/@tinkeringpenguin

Education

University of Alberta

Sept 2019 - Dec 2023

B.Sc. Computing Science with Specialization

Skills

Languages: Python, JavaScript/TypeScript, C#, C++, Java, Golang, Lua, Shell, Swift, SQL, CSS/SCSS, HTML

Technology: Databricks, AWS, Google Cloud Platform, Firebase, Docker, Kubernetes, Jenkins, Git, No SQL, Unity

Libraries: React, React Native, Django, Flask, Electron, Mailhog, Traefik, NestJS, NodeJS, GraphQL, tRPC, Prisma ORM