

# Zeyu (Andrew) Li

in Andrew-Li23

🔗 Zeyu-Li

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## Work Experience

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### Intuit

May 2023 - Aug 2023

*Software Developer Co-op*

- Developed in the Metaverse group bringing interactive customer experiences from ideas to minimal viable products (MVPs) then qualitative and quantitative testing with customers using **Unity/C#**.
- Built 4 proof of concepts over 4 weeklong hackathons and customer feedback sessions for the innovation group, a cultivator like team focused on creating next generation solutions and features for existing products.
- Established a ML classification model utilizing **GPT-4** and **LangChain** for onboarding **5 million+** QuickBooks customers in less than **30 minutes**.
- Embedded in an Agile team of 5 senior and principal engineers and cross collaborating with other teams, disciplines, designers, directors, and project managers. Collaborated directly with a VP and 2 directors.

### Zero RampUp

Sept 2021 - Jan 2023

*Full-Stack Software Developer*

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

### Intuit

Jan 2022 - Aug 2022

*Software Developer Intern*

- Maintained a large pricing and discounting service impacting more than **150 million** TurboTax users using Java and React/JavaScript hosted on **Amazon EKS** and **Argo**.
- Optimized automation testing pipeline resulting in over **55%** decrease in testing time, saving developers more than **2.5 hours** using parallelization on the **Docker** instance for Cypress tests hosted on **Jenkins**.

### University of Alberta

May 2021 - Dec 2021

*Research Assistant*

- Pioneered a construction worker data collection mobile app for analysis with **React Native** and **Firebase**.
- Integrated with a web portal to display and export worker data, reducing manual reporting by **100%**.

## Projects

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- **Reboot** - Acquired **\$2,000** seed funding from NeuroAlbertaTech for a 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. Supported OpenBCI and Muse brain activity scanning hardware.
- **PlayDate** - A LLM powered paid chatbot that integrates OAuth, Stripe, and Supabase using the **T3 Stack**.
- **Tinkering Penguin** - Tech YouTube channel has more than **250,000** views and approximately **1,000** subscribers.
- **UwULang** - A Turing complete interpreter and compiler for an emoji based programming language.

## Education

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### University of Alberta

Sept 2019 - Dec 2023

B.Sc. Computing Science with Specialization

## Skills

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

**Technology:** AWS, Google Cloud Platform, Firebase, Docker, Kubernetes, Jenkins, Git, Unity, Unreal engine, Figma

**Libraries:** React, React Native, Django, Flask, Electron, Express, NestJS, NodeJS, GraphQL, Tailwind, tRPC, Prisma ORM