SHUAI ZHU (VINCENT)

Toronto, Canada   (+1) 647-861-6833   @ vincent.zhu@mail.utoronto.ca   in shuai-zhu   Vincentzs

💼 EXPERIENCES

You're Next Career Network | Software Engineer
Apr 2023 – Present   Toronto, Canada

- Developing interactive websites and internal tools to aid **4000** University of Toronto students secure internships and graduate positions annually.

Veeva Systems (NYSE: VEEV) | Software Engineer in Test Intern
May 2022 – Apr 2023   Toronto, Canada

- Lead the development of a data validation automation tool using **Java**, saved **2,800 days/yr** in data creation and boosting productivity by approx. **$1M/yr**.
- Explored AI chatbot solutions for reducing new hires' onboarding time. Saving **5,000 days/yr** or **$1.7M/yr** using **Dialogflow**, **React.js**, and **Node.js**.
- Developed **145** new automation tests using **Java** and **Cucumber**, resulting in improved software quality and reduction in manual testing time by **80%**.
- Implemented Agile (Scrum) methodology, improving personal productivity by **10%** or saving **24 days/yr** through daily stand-ups, sprint planning, code reviews, and efficient codebase management.

Korotu Technology | Software Engineer
Jan 2023 – Apr 2023   Toronto, Canada

- Directed a team of six and Engineered a mobile app that classifies tree/plant species using **Expo, React Native.js, Node.js, Express.js, Parse, Tensorflow, Jest**, deployed backend to **Heroku**, and ML model to **Azure ML**.
- Contributed as **Scrum master**, **frontend**, and **ML engineer**. Built front-end camera, and image library functionality and deployed TensorFlow model.
- Offered two ML classifications to users: PlantID API and custom ML using Google's Mobile Plants classification model and iNaturalist plant dataset.
- Assisting forest conservation through user-led tree species identification and data collection. Reduce data collection costs and increase forest coverage.

🔀 PROJECTS

Tab Saver (In Progress) | HTML, CSS, JS, React.js
- Building a **Free** tab management chrome extension that will sync grouped tabs with custom labels on the user's google account.
- **Result:** Saves approx. **52 hrs/yr** on manually saving tabs in the bookmark.

Textbook Predictor: UofT LearnAI (In Progress) | Python
- Developing a **second-hand textbook price prediction** tool for students.
- **Result:** Saves students aprox. **30 mins/book** on price comparisons.

WaterBNB | HTML, CSS, React, JS, SQlite, Python, Django
- Developed an **Airbnb replica** with **Expo** frontend (**HTML, TailwindCSS, BootstrapCSS, React, JavaScript**), **Django REST** backend, and **SQlite** database.
- **Result:** Features: Token-based Authentication, User Profile, Notification, Comment, Rating, Reservation, Property, Search and Filter, Pagination.

Vital Sport: Hack The Globe | TailwindCSS, Python, Django
- Lead team of three on the Hack The Globe 2023 and created a full stack web app to help athletes monitor abnormalities in their cardiac cycle.
- **Result:** Demonstrated potential to reduce cardiac deaths in athletes.

Peace Mind: UofT Hacks X | React N, Node.js, Python, Flask
- Lead team of four on the UofT Hacks X and created a full stack mobile mental health app using custom classification data set and **Co:here**'s NLP API.
- **Result:** Assist users in identifying the root of their sadness and uplift their mood through **personalized motivational quotes and videos**.

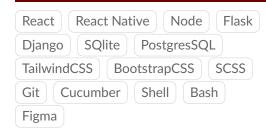## 🎓 EDUCATION

University of Toronto St.George
B.Sc. in Computer Science cGPA: 3.28
Sep 2019 - Apr 2024

📖 Data Structures & Algorithms, Software Design, Databases, UI/UX, Web Programming, Software Engineering

</> PROGRAMMING

Python   Java   HTML   CSS   SQL   JavaScript   Latex

⚙️ SKILLS

React   React Native   Node   Flask   Django   SQlite   PostgresSQL   TailwindCSS   BootstrapCSS   SCSS   Git   Cucumber   Shell   Bash   Figma

🏆 ACHIEVEMENTS

- Top 3 Actuarial Students' National Association Case Competition: 2022

💻 HACKATHONS

- Google Developers Solution Challenge: 2022
- UofTHacks IX: 2022
- UofTHacks X: 2023
- Hack the Globe: 2023

✳️ CERTIFICATE

- UofTAI: LearnAI 2022-2023
- Codeacademy Full Stack Engineer (In Progress)

👥 CLUBS

- Google Developer Student Club
- UofT Artificial Intelligence (UofT AI)
- UofT Machine Intelligence Student Team
- UofT Kendo Club

❤️ INTERESTS

Finance   Aquarium   Game   Nature   Exploring Restaurants   Travelling