

Zaki Rangwala

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Education

Wilfrid Laurier University
Bachelor's, Computer Science

September 2021 - August 2025
GPA: 3.9

Professional Experience

Onova

Software Engineer

Remote

November 2023 - January 2025

- Spearheaded the development of PokerGPT, an AI-powered Poker Coach, leveraging advanced LLMs and sophisticated prompt engineering.
- Launched and optimized the backend model, including integration of solver functionalities, achieving a user base of over 1000+ within the first month.
- Developed and enhanced Earth, a comprehensive hackathon management platform, implementing authentication, submission, and admin workflows.

Faura

Founding Engineer

California, USA

May 2024 - October 2024

- Implemented a comprehensive natural disaster assessment tool utilized by over 5,000 homeowners to mitigate property risks.
- Collaborated with 150+ industry professionals to design and implement a cutting-edge wildfire risk assessment, enhancing property safety protocols.
- Successfully fundraiser over \$500,000 from Dorm Room Fund and CEAS Honors, securing a spot in Metaprop's prestigious accelerator program.

Werkit

Software Engineer

Remote

June 2021 - December 2022

- Developed automation scripts using JavaScript and REST APIs that streamlined internal operations such as tracking client activity, automating email dispatches, generating contracts and ensuring a streamlined workflow between Google Sheets and AWS, which eased sourcing by 49%
- Created a client portal with Bubble.io for direct service access, emphasizing secure user authentication.
- Integrated a payment tunnel to facilitate mass payouts to over 5000+ users and built a Discord Bot using NodeJS to establish a knowledge base and user community.

Projects & Outside Experience

Spotify Emotion Classifier

Lead Developer

- Developed an advanced emotion recognition model capable of classifying seven distinct emotions with an accuracy rate of up to 97%.
- Utilized an ensemble of pre-trained VGG16, ResNet50, and InceptionV3 models, integrated with a Gradio app to provide Spotify playlists tailored to the detected emotions.
- [Link to project](#)

Real Time Face Mask Detector

Lead Developer

- Developed a state-of-the-art object detection application capable of instantaneously discerning mask usage, bolstering safety compliance by 30% in tested environments.
- [Link to project](#)

Skills

Skills: C/C++, Git, Python, Java, Next.js, Adobe Photoshop, TypeScript, Bash, MySQL, Adobe After Effects, React.js, Firebase, Digital Ocean, Django, Postgres, Pytorch, Figma, Blender, Docker, Adobe Illustrator, Linux/Unix