# ZAKI RANGWALA

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## EDUCATION

**Wilfrid Laurier University**
Candidate for Bachelor of Computer Science
2025
Major GPA : 3.9

## SKILLS

**PROGRAMMING:** Java, Python, JavaScript, C++, Bash, SQL, R
**TOOLS/FRAMEWORKS:** React, Firebase, Git, Flask, MongoDB, Node.js, AR Studio
**OTHER SKILLS:** Photoshop, Web Development, Videography, App Development, Photography, Content Creation

## EMPLOYMENT

### ONOVA
**Software Engineer Intern**                                                                **Nov. 2023 to Current**
- Currently leading the development of an AI-powered Poker Coach (PokerGPT), utilizing industry-grade Large Language Models (**LLMs**) and sophisticated **prompt engineering** techniques.
- Actively involved in both **backend** and **frontend** development, ensuring seamless integration of **AI technologies** with a robust and user-friendly application interface.

### WERKIT
**Software Engineer Intern**                                                                **June 2021 to Dec. 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.

### ACORN BIOLABS
**Science and Research Intern**                                                            **Sept. 2020 to Dec. 2020**
- Constructed a dashboard to monitor user/sales metrics, amplifying user engagement with tailored marketing campaigns, yielding a **15%** surge in interactions.
- Pioneered **HubSpot API workflows** for flawless integration with platforms such as Calendly and Shopify, enhancing operational efficiency and user experience.
- Crafted an instructional video for the stem cell home collection kit, which was viewed by **over a thousand clients.**

### APOLLO NEUROSCIENCE
**Machine Learning Intern**                                                                **June 2020 to Sept. 2020**
- Conducted a research project studying sleep data derived from **hundreds of users.**
- Analyzed the impact the Apollo Wearable had on user sleep quality, improving **sleep score by 46%** using advanced analytics.
- Utilized techniques like **K-means clustering, Principal Component Analysis**, and **Correlation matrices** to derive statistical conclusions, enhancing product functionality by **20%.**
- Designed visualizations using tools like **Figma, Canva,** and **Photoshop**, resulting in a **10%** increase in user comprehension.

## PROJECTS

### PERSONALIZED VIRTUAL ASSISTANT
- Engineered a versatile virtual assistant using advanced open-source libraries and APIs in Python, leading to a **20%** efficiency improvement in daily tasks.
- Seamlessly integrated diverse functionalities, including email dispatch, real-time stock prices, game scores retrieval, Spotify synchronization, speed tests, real-time weather updates, and the ability to handle intricate computational and mathematical challenges.

### NETFLIX CLONE
- Conceptualized and crafted a web application replicating the essential features and functions of Netflix, capturing over **1,000** user engagements within the first month.
- Orchestrated the frontend development with **React JS**, employing **Firebase** and TMDB for accurate movie data retrieval.

### REAL-TIME FACE MASK DETECTOR
- Developed a state-of-the-art object detection application capable of instantaneously discerning mask usage, bolstering safety compliance by **30%** in tested environments.
- Utilized the Object-Detection API and **TensorFlow** framework to proficiently train the SSD-mobile net neural network using a dataset of **300+** images, achieving a detection accuracy rate of **95%.**

### COVID-19 TRACKER
- Established a dynamic web application designed to showcase real-time global data on COVID-19 cases, deaths, and recoveries, which became a primary source of information for **5,000+** users.
- Focused on frontend development harnessing React JS, integrated with Firebase, and collaborated with Disease.sh API to ensure up-to-date and accurate data retrieval.