

KOMAL SAINI

Toronto, ON, Canada

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EDUCATION

University of Toronto, St. George - Trinity College Sep. 2020 - May 2024
Honours Bachelor of Science in Computer Science Toronto, ON

Coursework: Intro to Computer Science I and II, Calculus with Proofs, Linear Algebra, Software Design, Software Tools and Systems Programming, Theory of Computation, Probability with Computer Applications, Data Structures Analysis, Operating Systems, Intro to Databases

Awards: Recipient of the **Loblaws 2020 National Scholarship** award valued at \$1,500 & Selected as the recipient of the **Murray Ross Scholarship** valued at **\$32,000** by York University

EXPERIENCE

LinkedIn May 2023 - September 2023
Software Engineer Intern, Anti-Abuse Engineering - Fraud Detection Infrastructure Team Mountain View, CA

- (1) I **onboarded and productionized** a new **AI model** to reduce review volume, saving LinkedIn's human review team **350h a week**
- (2) I improved our **prepaid card detection algorithm** by integrating the use of a **realtime database** into LinkedIn's **purchase scoring engine**
- Participated in an on-call rotation and propose project ideas to my senior manager
- **Tools & Technologies Used:** Java, Rest.li, SQL, Kafka, TensorFlow

University of Toronto, BMO Lab October 2022 - May 2023
Machine Learning Research Intern Toronto, ON

- Used OpenAI's Whisper and VQGAN+Clip to generate images from speech to serve as a backdrop for artists and performers & wrote a paper on the impact of AI-assisted writing tools on creativity with David Rokeby
- **Tools & Technologies Used:** Python, C

Sentry May 2022 - August 2022
Software Engineer Intern San Francisco, CA

- Implemented a new feature to correlate code commits to issues that could be resolved in Sentry's error monitoring software & wrote a detailed tech spec outlining the problem, solution, risks, and leading indicators
- Conducted statistical analysis using **various statistical methods** and presented results in a Jupyter notebook
- **Tools & Technologies Used:** Python, SQL + BigQuery, Django

LinkedIn August 2021 - December 2021
Software Engineer Intern Toronto, ON

- **Migrated our main flow** for all metrics relevant to ads on external platforms from **Pig** to **Spark**
- **Increased code coverage** from **0% to 85%+** with **end-to-end testing**
- **Tools & Technologies Used:** Pig, Spark, Scala, SQL, Hadoop

University of Toronto, Faculty of Medicine May 2021 - September 2021
Student Researcher Toronto, ON

- Worked under the supervision of Dr. Alex Mihailidis to build telerehabilitation video conferencing software for the Toronto Rehab Institute
- Developed multiple capabilities including **video call recording, call rooms with UIDs, user authentication, user permissions for database upload/download**
- Designed and developed a **Firestore database** using **Firestore** to store user and video data
- **Tools & Technologies Used:** Javascript, HTML/CSS, JSON, Firebase

EXTRACURRICULARS

Technology Resilience Mentoring Program - Microsoft March 2021 - May 2021

First-Year Representative - Developer Student Clubs UTSG September 2020 - June 2021

General Executive - UofTAI September 2020 - June 2021

Technical Writer - University of Toronto Machine Intelligence Student Team September 2020 - June 2021

SKILLS

Python, Java, C, JavaScript, SQL, Django, HTML, CSS, Firebase, VSCode, Eclipse, IntelliJ, PyCharm