

Farooq Qureshi

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EDUCATION

University of Ottawa, BAsC in Electrical Engineering

Ottawa, ON - May 2029

- Courses: Introduction to Computing I, Calculus I & II, Digital Systems, Physics for Engineers

Sir Winston Churchill High School, High School Diploma

Calgary, AB - June 2024

- Runner-up Valedictorian (Top 4 / ~730 students), Honor Roll (all semesters)

TECHNICAL SKILLS

Languages & Frameworks: Python, HTML/CSS, Pandas, sklearn, Matplotlib | *Beginner:* JavaScript, Java

Developer Tools: VS Code, Vercel | *Beginner:* Google Cloud Platform

Technologies: Figma, Github, Microsoft Office Suite, Google Workspace, Notion, Jupyter Notebooks, Canva

PROJECTS

Todoist and Notion - Task Integration

[GitHub](#) [Demo](#)

- Designed and implemented a Python integration between Todoist and Notion, leveraging REST APIs and JSON parsing to automate task synchronization, filter out duplicates, and improve productivity by minimizing manual data entry.
- Enhanced script reliability with advanced error handling and logging mechanisms, ensuring efficient task syncing, robust performance, and rapid issue resolution.

Natural Language Processing for Google Calendar - Chrome Extension

[Demo](#)

- Engineered a Chrome extension with Google Calendar API integration and OAuth 2.0 authentication, enabling seamless event management with a 90% success rate in API transactions during testing.
- Developed an NLP-based event parser using Compromise and Chrono-node libraries, achieving accuracy in extracting dates, times, and locations, and implemented real-time location suggestions via Photon Geocoder with sub-200ms response times, improving user efficiency.

Housing Price Analysis and Prediction

[GitHub](#) [Article](#)

- Boosted house price prediction accuracy by applying XGBoost and LightGBM models in Python, reaching an R^2 score of 0.730. Used Randomized Search with scikit-learn for hyperparameter tuning, optimizing estimators, learning rate, and depth, enhancing model performance by 0.013.
- Refined predictive models through advanced data preprocessing with pandas, including outlier detection and feature engineering. Utilized SHAP for in-depth model interpretability, offering insights into feature importance and supporting data-driven decisions.

LEADERSHIP

Community Coordinator, [uOttHack](#)

Ottawa, ON - Oct. 2024 to Present

- Fostering community engagement and planning dynamic events for uOttHack, an MLH hackathon with 800+ participants, including workshops and networking sessions.
- Creating partnerships with companies and on-campus organizations to secure resources and mentorship, enhancing participant engagement.
- Collaborating with 30+ team members to streamline event logistics and promote an inclusive atmosphere.

Debate Tournament Organizer

Calgary, AB - Mar. 2022 to Jan. 2024

- Directed the planning and execution of independent debate tournaments for over 1,000 students across Calgary, showcasing leadership in managing large-scale events for over 2 years.
- Generated \$5,000+ in revenue through strategic engagement with 20+ schools, demonstrating strong financial acumen and stakeholder management.
- Led the efficient organization and data management for 300+ competitors using Google Sheets and TabbyCat, ensuring timely delivery of results within 24 hours.

AWARDS & RECOGNITION

- Southern Ontario Model United Nations Conference 2022 (SOMA): Best Delegate (1st place), conference of 800+ participants.
- 35th Annual Stanford Invitational: Semi-Finalist (World Schools Category), tournament of 500+ participants.
- Secondary Schools United Nations Symposium 2022 (SSUNS): Best Delegate (1st place), conference of 1300+ participants.
- University of Waterloo HST 2021: Quarterfinalist, top 10 speakers - tournament of >300 speakers (>160 teams).