

# Kevin Qu

qukevin99@gmail.com | 647-767-8236 | [linkedin.com/in/kevin-qu](https://www.linkedin.com/in/kevin-qu) | [github.com/fishingguy456](https://github.com/fishingguy456) | [fishingguy456.github.io](https://fishingguy456.github.io)

## Technical Skills

Languages: Python, C, JavaScript, Java, C#, C++, HTML/CSS, Dart, Visual Basic, MATLAB, SQL  
Frameworks: ROS, scikit-learn, React, Node, Express, Flutter, ASP.NET, Axios, jQuery, Bootstrap  
Tools: SQLite, Linux, HPC, Jira, Git, Postman, WordPress, Magento, Drupal, MongoDB, slurm

## Education

**University of Toronto**

Sept 2021 – Present

**BASc, Engineering Science**

Average Grade: 93.6%, cGPA: 3.89/4.0, sGPA: 4.0/4.0, Dean's List Scholar

## Professional Experience

**ML Undergraduate Research Student**

May 2022 – Present

*BHK Lab, University Health Network* ([pmgenomics.ca/bhklab](https://pmgenomics.ca/bhklab)) Toronto, ON

- Working with scientists and PhD students on cancer image segmentation, supervised by Dr. Haibe-Kains
- Developing ML pipelines to turn clinical data into ML-ready data, saving up to 80% of ML research efforts
- Running U-Nets with high-performance computing (HPC), pipelining thousands of images
- Creating data standardization and training ML models for an AI challenge with the Vector Institute

**Robotics Engineer**

June 2022 - Present

*UofT Aerospace Team* ([utat.ca/uas](https://utat.ca/uas)) Toronto, ON

- Coding and simulating robots to compete in SAE Aero Design – Advanced ([sae.aerodesign.com/](https://sae.aerodesign.com/))
- Robotics simulation and development in C++ with ROS and Gazebo virtual worlds
- Collaboration with electrical and mechanical teams to build fixed-wing drone and automated rover

**ML Project Developer**

Sept 2021 – May 2022

*UofT Machine Intelligence Student Team* ([utmist.gitlab.io/projects/employeeattrition](https://utmist.gitlab.io/projects/employeeattrition)) Toronto, ON

- Develop employee attrition prediction model, based on IBM's workplace data using SVM and Clustering
- Scope and define project together with upper year team members
- Model predictions outperform current research on the same data

**Software Engineer Intern**

Jun 2021 – Aug 2021

*Idea Notion Development Inc.* ([ideanotion.net](https://ideanotion.net)) Markham, ON

- Developed C# console apps and Node.js scripts to build custom poster images and manage file directories
- Built webpages using HTML/CSS, JQuery, PHP and WordPress ([ourposter.com/product/custom-city-map](https://ourposter.com/product/custom-city-map))
- Automated manual image editing with Python Pillow library ([dealerai.com](https://dealerai.com))

## Honors & Awards

**University of Toronto Scholar (top 0.4% @ UofT)**

2022

In-course scholarship awarded to the top 300 most outstanding undergrads out of 76,000 at UofT (top 0.4%)

**Schulich Leader Scholarship (\$100k)** ([schulichleaders.com/kevin-qu](https://schulichleaders.com/kevin-qu))

2021

\$100,000 award to 50 outstanding engineering students at 20 universities across all Canada

**National Book Award**

2021

Awarded to top graduating student at each Canadian high school by the University of Toronto

## Projects

**IntelliCord** ([devpost.com/software/intellicord](https://devpost.com/software/intellicord))

Aug 2022

- Hack the 6ix Finalist (Top 8 projects out of 70+ projects)
- AI Chatbot that provides mental health tips using co:here and GPT-3, made with Python and SQLite3

**Abyss** ([devpost.com/software/abyss-ewprci](https://devpost.com/software/abyss-ewprci))

Feb 2022

- Hardware Hackathon—MakeUofT 2022 Best “Useless Invention” award, Category Winner
- Table that caves in when objects are detected. Arduino UNO with several electrical & mechanical parts

**DialekTech** ([devpost.com/software/note-js-wcmbkh](https://devpost.com/software/note-js-wcmbkh))

May 2020

- TOHacks 2020 DCP Runner-up Award
- Web-based audio processing education application using Node.js, MongoDB, Google Cloud API