

# Kevin Qu

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## Technical Skills

Languages: C, C++, Java, Python, JavaScript, C#, HTML/CSS, Dart/Flutter, Visual Basic, MATLAB, SQL  
Frameworks: React.js, Node.js, Phaser.js, Discord.js, AngularJS  
Tools: Git, ASP.NET, Postman, WordPress, MAMP, Magento, Drupal

## Professional Experience

**UofT Machine Intelligence Team** (<https://utmist.gitlab.io/>) University of Toronto, Toronto, ON

**ML Project Developer** Sept 2021 - Present

- Develop employee attrition prediction model, based on workplace data using SVM model and Python
- Scope and define project together with team members
- Coordinate work with upper years in weekly meetings

**IDEA NOTION** (<https://ideanotion.net/>) Markham, ON Jun 2021 – Aug 2021

**Software Engineer**

- Developed backend C# console apps, Node.js scripts
- Automated manual image editing with Python Pillow library
- Built frontend webpages using HTML, CSS / SASS, JQuery, PHP and WordPress

**BRAIN POWER** (<https://brain-power.com/>) Cambridge, MA USA (working remotely) Jun 2020 – Aug 2020

**Full Stack Developer Intern**

- Programmed apps powered by AI and Google Glass to assist children with special needs
- Built website using React and Angular
- Assisted in product planning and attended weekly Agile meetings

**SPIRIT OF MATH** Aurora, ON

**Assistant Teacher / Private Tutor** Sept 2017 – Jun 2021

- Moderated classroom discussions and provided challenging problems tutoring to in-class students
- Communicated with parents, students and teachers after class hours
- 1-on-1 to 1-on-3 tutoring after school

## Projects

**Neurologue** <https://devpost.com/software/neurologue> August 2020

- Hack the Northeast 2020 Best Game 2<sup>nd</sup> place Winner
- EEG (Brain Computer Interface)-Controlled game using Phaser.js

**DialekTech** <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

**SmartFit** <https://devpost.com/software/smartfit-h9kxeg> January 2020

- UofTHacks VII Best Use of Voiceflow Award
- Google Assistant workout app using Voiceflow, Vanilla JavaScript, Google Dialogflow

## Honors & Awards

**Schulich Leader Scholarship (\$100K)** 2021

- \$100,000 award to 50 outstanding students pursuing engineering program across Canada

**Professional Engineers Ontario (PEO) York Chapter Engineering Entrance Scholarship** 2021

- Awarded to 3 outstanding high school students in York Region entering an engineering program

**National Book Award** 2021

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

**Newmarket-Tay Power Distribution Community Service Award** 2021

## Education

**University of Toronto** Sept 2021 – Present

**BASc, Engineering Science**

- Relevant year 1 courses: Computer Science (Data structures and algorithms in C and Python), Engineering Design, Linear Algebra, Computation (MATLAB), Classical Mechanics, Calculus I and II, Electrical Circuits, Molecule and Material Science, Structures and Materials-based Civil Engineering