Kevin Qu

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Education

University of Toronto – Engineering Science   2021-2025

- Schulich Leaders Scholarship, valued at $100,000 (For top STEM students in Canada)
- U of T National Book Award (For the best student in each high school)
- Entrance grades: AP Computer Science: 99%, AP Calculus Part I: 99%, AP Calculus Part II: 100%, Physics: 97%, Chemistry: 97%

Skills and Technologies

Programming	Java, Dart/Flutter, JavaScript, C++, HTML/CSS, Python, React, Node.js, MapBox GL JS, C#, Phaser.js, VB, Turing, PHP, SQL, AngularJS
Tools	Github, Gitlab, Git Bash, MAMP, Magento, Wordpress, Postman, JMeter, Drupal, Voiceflow, Google Dialogflow, Mailchimp, Firebase, LEAP
Development Environments	Eclipse, VSCode, Visual Studio 2019, Android Studio, TextWrangler, Repl.it, Netbeans, IntelliJ, PyCharm

Professional Experience

Software Engineer Intern – IdeaNotion (ideanotion.net)   June 2021 – Aug 2021

- Worked with CEO and other interns on website development and backend apps
- Frontend web development using HTML/CSS (Sass), JS (JQuery), WordPress (PHP)
- Backend console applications using C# (NuGet package manager -> JSON deserializing)
- Automation for manual tasks using Python's Pillow library for image editing

Full-Stack Developer – Brain Power (brain-power.com)   June 2020 – Aug 2020

- Programmed Google Glass apps for autistic children with product deployment across the US
- Worked with CEO and Project Managers on product design and planning
- Duplicated website and changed code from Angular to React to better fit industry trends
- Learned Chrome Extension development

Junior Web Developer – Canada2DCode (www.canada2d.com)   May 2020-Sept 2020

- Website and database development using AngularJS, HTML/CSS, PHP and SQL
- Worked with CEO and Senior Developers on main website and websites for real estate client
- Learned on the job through professional development and mentoring
- Communicated in regular meetings using both English and Mandarin

Programmer Intern – Treefrog Inc. (www.treefrog.ca)   August 2018 – September 2020

- Web dev using JavaScript, PHP, Drupal, HTML/CSS, Bootstrap, WordPress and Magento
- Quality assurance of applications and corporate-level projects using JMeter and Postman
- Maintaining multiple client webpages using HTTP protocol and web development tools
- Worked with Senior Developer and Project Manager on programming and planning websites

Projects

DialekTech https://devpost.com/software/note-js-wcmbkh (TOHacks)   May 2020

- TOHacks 2020 DCP Runner-up Award
- Made an application that processes video lessons to make studying more efficient
- Used Google Cloud, Express.js, HTML/CSS and DCP

Neurologue https://devpost.com/software/neurologue (Hack the Northeast)   August 2020

- Hack the Northeast Gaming Award 2nd place
- Made a choose-your-own-adventure game controlled by a brain-computer interface
- Used Phaser.js and WebSockets

Volunteer Experience

President – Computer Science Club   Oct 2018 – June 2021
- President and founder of the Computer Science club at Dr. G. W. Williams S.S. (2018 - 2019) and Newmarket H.S. (2019 – 2021)
- Teach students how to program in Java to compete in the CCC
- Hosted a hackathon, and organized members to participate in other hackathons

Founder and President – Newmarket Youth Leadership Group   Apr 2019 – Sept 2021
- Organized youth-driven activities, including hackathon, fundraisers, basketball tournament and winter carnival
- Events regularly have over 100 participants and fundraisers have raised over $1000

Extracurriculars

Jul 2019	**SHAD Fellow at the University of Calgary** (www.shad.ca, Shad Canada is a STEM program for exceptional high school students)
2020	**University of Toronto Math Mentorship Program** (Math research with Professors and PhD students)
2019-2020	**VEX Robotics Team Member** – Co-captain (55518A), neighbourhood team
2019-2020	**FRC School Team Member at Newmarket HS** – Electrical (7614)
Dec 2019	**Major League Hacking Local Hack Day Host** – Newmarket Hack Day

Awards

2021	• Schulich Leader Scholar at U of T and McGill ($100,000 scholarship for top STEM students, https://www.schulichleaders.com/kevin-qu) • U of T National Book Award (Best student in each school) • Newmarket-Tay Power Distribution Community Service Award • Bogart Memorial Scholarship • Rene Descartes National Math Scholarship at UWaterloo ($20,000 scholarship for Computer Science and Computer Science/BBA) • Canadian Computing Contest Senior Division Certificate of Distinction (Java) • Euclid Math Contest Honour Roll • American Invitational Math Exam Qualifier (Top 5% on AMC12) • Canadian Open Math Contest SW Ontario Grade 12 Honour Roll
2020	• Canadian Computing Contest Senior Division Certificate of Distinction (Java) • Voiceflow Winning Award – UofTHacks VII (https://uofthacks.com/) • 2nd Best Game – Hack the Northeast (https://www.hackthenortheast.com/) • Canadian Open Math Contest Central Ontario Grade 11 Honour Roll • Ontario's VEX Provincial Championship Qualifier • AP National Scholar (Canada) and AP Distinction Award
2019	• SHAD Canada - Best Prototype Award • Honour rolls and school medal in University of Waterloo math contests, Certificate of Distinction in COMC

Interests

Fishing, Camping, Ecology, Marine Biology, History, NHL Hockey, International Soccer, NBA Basketball, Engineering