

KEVIN LIANG

19kl45@queensu.ca | (647) 675-8677 | <https://www.linkedin.com/in/kevin-liang-32b9791aa/>

EDUCATION

Bachelor of Applied Science in Mathematics and Engineering, Queen's University, Kingston, ON **Sep 2020 – Present**

- **Option in Systems and Robotics:** Designed for Mathematics and Engineering students who wish to pursue further studies in Systems Engineering, Mechatronics, and Robotics
- **Relevant Courses:** Introduction to Programming, Engineering Graphics, Engineering Communications, Engineering Design & Practice (I & II), Digital Systems, Computer Architecture, Electric Circuits, Electronics (I), Calculus (I, II & III), Linear Algebra
- Excellence Entrance Scholarship 2020 (90%+ Entrance Average)
- Dean's Honour List 2021 (3.5+ GPA)

WORK EXPERIENCE

Robotics Engineer – Special Projects, Wiz Robotics, Richmond Hill, ON **May 2021 – Aug 2021**

- Used Twine to develop multiple teaching curriculums for Thunkable, Code.org, Roblox Lua, and App Inventor
- Managed a team of three to develop a new summer program that taught young children Roblox Lua programming, attracting 20+ customers
- Acquired work experience and developed discipline, leadership, and time management skills in a startup environment

EXTRACURRICULAR EXPERIENCE

Chassis Manager, Queen's Hyperloop Design Team, Kingston, ON **Jul 2021 – Present**

- Designed and manufactured the chassis components of a competitive Hyperloop pod with SOLIDWORKS CAD
- Managed the team website with Squarespace and HTML/CSS
- Established effective leadership, adaptability, and self-initiative skills in a competitive team environment

Software Developer, Queen's Technology and Media Association, Kingston, ON **Mar 2021 – Present**

- Programmed the frontend features of Loco, a mobile app that enhances the tourism experience by recommending locations based on local popularity instead of SEO
- Collaborated with four other developers with the React Native framework, Expo, and Git version control
- Obtained teamwork, critical thinking, and problem-solving skills as a software development team member

Satellite Team Member, Queen's Space Engineering Team, Kingston, ON **Sep 2020 – Apr 2021**

- Attended Space School, a comprehensive four-month Aerospace Engineering course hosted by executive members
- Designed and modelled a CubeSat chassis with Autodesk AutoCAD
- Developed communication, time management, and critical thinking skills throughout the course

TECHNICAL KNOWLEDGE

- **Programming:** Python, MATLAB, C++, C#, C, Java, HTML/CSS, JavaScript, VHDL, Assembly (Nios II)
- **Tools:** Microsoft Office, Unity, Twine, Git, Flask, MongoDB, Express.js, React.js, React Native, Node.js, Bootstrap, Expo
- **Designing:** Figma, Adobe Creative Cloud, SOLIDWORKS CAD, Autodesk AutoCAD
- **Platforms:** Arduino, Windows OS, Linux (Ubuntu), Android

ADDITIONAL INFORMATION

- **Languages:** English (Native), Mandarin (Native)
 - **Awards:** Winner of the 2021 QCTF Information Security Competition, Best Use of Cloud Computing at CalgaryHacks 2022
 - **Website:** <https://sanbroh.github.io/>
 - **GitHub:** <https://github.com/Sanbroh>
 - **Devpost:** <https://devpost.com/Sanbroh>
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