

# KEVIN LIANG

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## 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
- Excellence Entrance Scholarship 2020 (90%+ entrance average)

**Ontario Secondary School Diploma**, Pierre Elliott Trudeau High School, Markham, ON **Sep 2016 – Jun 2020**

- Academic Honour Roll for all four years
- Ontario Academic Scholar

## RELEVANT EXPERIENCE

**Queen's Hyperloop Design Team Chassis Manager**, Queen's University, 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

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

- Programmed the frontend features of a mobile application with the React Native framework
- Integrated frontend assets and backend data with Firebase Cloud Firestore
- Gained teamwork, communication, ideation, and problem-solving skills as a software development team member

**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
- Created assets and recorded advertisement videos for the marketing team
- Acquired work experience and developed discipline, teamwork, and time management skills in a startup environment

**Queen's Engineering Society Year Representative**, Queen's University, Kingston, ON **Oct 2020 – Apr 2021**

- Elected by first-year students to represent them in the Queen's Engineering Society
- Built a WordPress website with HTML/CSS and voted in Engineering Society motions
- Obtained communication, active listening, and problem-solving skills as an elected member of the student body

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

- Attended Space School, a comprehensive four-month course hosted by executive members on the satellite team
- Designed and modelled a CubeSat chassis with Autodesk AutoCAD
- Developed teamwork, communication, time management, and critical thinking skills throughout the duration of the course

## TECHNICAL KNOWLEDGE

- Extensive knowledge of Git, MATLAB, C++, C#, C, Java, HTML/CSS, JavaScript, and the React Native framework
- Advanced understanding of Windows Operating System, Microsoft Office Apps, and Adobe Creative Cloud Apps
- Practical experience in Computer-Aided Design, Unity Game Engine, Soldering, and the Arduino platform

## ADDITIONAL INFORMATION

- **Languages:** Mandarin (Native), English (Native)
- **Extracurriculars:** Hyperloop Design Team, Space Engineering Team, Engineering Society, Technology and Media Association
- **Awards:** Winner of the 2021 QCTF Information Security Competition, 2021 Dean's Honour List
- **Website:** <https://sanbroh.github.io/>
- **GitHub:** <https://github.com/Sanbroh>
- **Devpost:** <https://devpost.com/Sanbroh>