

# KEVIN LIANG

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## EDUCATION

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**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)

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

- Academic Honour Roll 2017, 2018, 2019, and 2020
- Ontario Academic Scholar

## RELEVANT EXPERIENCE

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**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
- Used Git version control to collaborate with four other developers
- Obtained 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 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

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- **Programming:** MATLAB, C++, C#, C, Java, HTML/CSS, JavaScript
- **Tools:** Unity, WordPress, Squarespace, Twine, Git, MongoDB, Express.js, React.js, React Native, Node.js
- **Designing:** Figma, Adobe Creative Cloud Apps, SOLIDWORKS CAD, Autodesk AutoCAD
- **Platforms:** Arduino, Windows OS, Android, Linux (Ubuntu)

## ADDITIONAL INFORMATION

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- **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
  - **Website:** <https://sanbroh.github.io/>
  - **GitHub:** <https://github.com/Sanbroh>
  - **Devpost:** <https://devpost.com/Sanbroh>
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