

LIXUAN LUO

UNIVERSITY STUDENT &
SELF-TAUGHT DEVELOPER

KEY STRENGTHS

- Highly **creative**
- Passionate about **STEM innovation** & computer science
- Loves **collaboration** & group work
- Able to lead and organize events
- Enjoys solving **challenging tasks**

CONTACT DETAILS

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EDUCATION

- University of Pennsylvania** 2021 - 2025
- Majoring in Computer Engineering at the School of Engineering and Applied Sciences
- The Woodlands Secondary School** 2017 - 2021
- Enrolled in the Locally Enhanced Program with a 97.7% average
- Principal's Reception Recipient

SKILLS

Languages

- Java, Python, Swift, C++, JavaScript, SQL, HTML, CSS, Arduino, Markdown

Frameworks

- Flutter, React Native, jQuery, Node.js, MongoDB, Express.js, Angular 6, React.js, Vue.js, Bootstrap, Semantic UI, Material UI

Tools

- Visual Studio Code, Xcode, AWS, Git, Eclipse, Android Studio, Oracle Application Express, Cloud9, mLab, Heroku, Google Vision API, Expo

EXPERIENCES & PROJECTS

- Fitness Fighter** **FIRST Robotics Competition** | Jan-May 2021
- A **website game** made with **HTML, CSS, JavaScript, and Google's MediaPipe** which encourages teenagers to exercise through game play
- **Designed and programmed** game theme, graphics and UI
- **Coded** visual sensor detection and recognition of user body movement

- ExTracker** July 2020
- A **mobile application** made with **Flutter** which helps plan for, track, and analyze user's daily exercise using calendars, timers, and graphs

- Scouting App** **FraserHacks** | Dec 2019
- A **mobile application** made with **React Native and Oracle APEX** for scouting and data analysis during FRC competitions without Internet

- AllerVision** **Hack the North** | Sept 2019
- A **mobile application** made with **React.js, Google Cloud Vision API, and Edamam API** which detects and alerts users of possible allergens present in foreign foods

AWARDS & ACCOMPLISHMENTS

- Semi-Finalist - Innovation Challenge FIRST Canada** May 2021
- Created a game to encourage exercise in teenagers
- 3rd at FraserHacks** Dec 2019
- Created an application for scouting during FRC competitions
- Full Stack Developer** **FreeCodeCamp** | Aug 2019
- Completed projects in responsive **web design, data structures, front end libraries, data visualization, APIs and microservices, and information security**
- 4th in PicoCTF (Canada)** Oct 2018
- Fourth place overall in a **cyber-security** competition with over 800 teams

EXTRA-CURRICULARS

- Robotics (Team 4308)** **Scouting Lead & Programmer** | 2017 - 2021
- Created the **team website** built with **HTML, CSS, and Bootstrap** and hosted on **GoDaddy**
- Built the **Scouting App** with **React.js**, which is currently available on the **Google Play Store**
- Created the **Scouting Database** currently hosted on **Oracle APEX**, which uses **SQL** to pull data from the backend database for analysis