Montreal, QC
+1 438-408-3363
contact@tristans.ca

Tristan Stevens

https://tristans.ca
Github @tvut
LinkedIn @tristanstev

Education

Montreal, QC **McGill University** **Aug 2020 | Current**

- BS in Honours Computer Science. GPA: 3.83
- Classes in Java, C, Assembly, Operating Systems, Numerical Computing, Data Structures, C++, Competitive Programming, Algorithms, Functional Programming

Experience

Software Engineering Intern **RareCyte** **May 2022 – August 2022**

Seattle, Washington

- Wireframed and implemented a Python API to provide higher level functionality to a lower level C++ API implemented in Qt
- Developed a Vue.js frontend with a Django backend that allowed control of the hardware instrument from a progressive web app
- Tested the API and frontend app on the hardware instrument

Tutor **Computer Science Undergraduate Society** **Jan 2022 – May 2022**

Montreal, QC

- Help students with computer science concepts such as algorithms and data structures
- Guide tutees on how to debug their programming assignments thoroughly in **C, Java and Python**
- Demonstrate how to learn programming syntax by using software documentation

Lead Programmer **Vex Robotics Team** **Sep 2016 – Apr 2020**

Bellevue, WA

- Designed a robot to compete in the Vex Robotics competition with a team of six people
- Programmed the robot in **C++** to perform user controlled actions as well as autonomous functions
- Utilized **hardware sensors and threading** to optimize long-term performance of hardware
- Won 5 x Design Award, 1 x World Qualifying Design Award, 2 x Tournament Champions, Washington State Champions, Division Semifinals at the Vex Worlds Competition

Skills

- Programming Languages: C, C++, Java, Python, HTML, CSS, JS, PHP, React.js, Bash, Ocaml
- Software: Git, GitHub, IntelliJ Suite, AWS, Azure, Wordpress, Linux, Docker, Visual Studio, Cmake, VSCode, Jira, Confluence

Projects

- **Mixerify** Developed a full stack app to browse a user's Spotify library and pick playlists to send to our ML model. *React.js, Express, Tailwind, Spotify OAuth, REST Api*
- **Covid Sentiment Analysis** Scraped geolocated YouTube comments then trained and deployed Tensorflow models to predict comment sentiment on Nvidia Tesla clusters. *Python, Azure*
- **File System** Developed a simple file system in C and implemented it into Linux via the Fuse Wrapper. *C, Fuse Wrapper*