Kyrel Jerome

Personal Info

E-mail

kyrel.jerome@mail.utoronto.ca

GitHub

https://github.com/kyreljerome

Website

https://kyreljero.me

Frameworks

- Flutter
- Next.js
- React
- OpenCV
- Jenkins
- Eigen
- NumPy / SciPy
- PyTorch

Languages (Proficient)

- Java
- Bash
- Python
- Dart
- C#

Languages (Familiar)

- SQL
- C
- Groovy
- C++

Tools and Infrastructure

- Linux
- Docker
- Microsoft Azure
- ROS
- Git
- MongoDB and CockroachDB

Computer scientist and full stack developer. With many completed and ongoing projects, I enjoy to implement computer science in the form of tools for everyday life.

Projects

Proform 2019

- Created a gym trainer app that analyzes and corrects workout form live to users.
- Worked in group of 4 at **Hack The North** to implement a **Flutter** multi-threading infrastructure enabling live and post-processing of poses from video frames.

UofT Foods 2019

- Designed and implemented a **Flutter** app allowing University of Toronto Students to quickly access information for food on campus.
- **50+ downloads** on the Google Play Store.

Teacher's Pet 2019

- Used **Flutter**, **Flask,** and Microsoft Azure's **Cognitive Toolkit** to vibrate a phone upon detection of a hand in an embedded device's camera feed.
- Product enables response of blind presenters to hands raised in an audience. From ideation to operation in **36 hours** at **UofTHacks VI**.

Kure Graphing Engine 2017

- Created an **MVC Java** application that solves, differentiates and graphs inputted functions along with their critical points and asymptotes.

Education

University of Toronto 2017 - 2022

- B.Sc. Pursuing **Computer Science** specialist**, Applied Statistics** major.

Experience

Software Engineering Intern 2020   **Microsoft**

- Developed a **Microsoft Flow** to **Microsoft Teams** message response Integration.
- Implemented a product-usage and data logging solution to increase job run cost efficiency and ease support ticket resolution.

Cloud Engineer Intern 2020   **RBC**

- Enabled CI/CD **Jenkins** pipelines and **Microsoft Azure** access for **Royal Bank of Canada** developers.
- Secured access to **Azure** tools such as Load Balancer, Virtual Machine Scale Sets, and business-group subscriptions for production apps on Azure Public Cloud**.**

Lead Programming Mentor 2017 - 2020   **Spartan Robotics 5288**

- Mentored and advised secondary school students in Robotics **computer vision**, **control systems**, and **Java OOP**.

Youth Robotics Teacher 2018   **TVDSB**

- Taught robotics as part of the Thames Valley District School Board's Summer Numeracy program for students in grades 1 to 3.
- Developed a dynamic curriculum individually tailored to 80 students taught daily.