

# KEYON JEROME

keyonjerome@gmail.com

[github.com/keyonjerome](https://github.com/keyonjerome)

[keyonjerome.co](https://keyonjerome.co)

## EXPERIENCE

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|--|-------------------------|------------------------------|
| <b>Python Programming Tutor</b>  | <b>Self-Employed</b>    | <b>Oct 2019 — Present</b>    |
| <ul style="list-style-type: none"><li>Curated student-specific lesson plans covering Python and data-science fundamentals.</li><li>Delivered lesson plans as well as one-on-one skill coaching and training to an eighth-grade student.</li></ul>  |                         |                              |
| <b>Software Developer, Co-op</b>   | <b>STEP Software</b>    | <b>July 2019</b>             |
| <ul style="list-style-type: none"><li>Developed an interactive note-taking app using Angular 8, MYSQL, and PHP with a manually-hosted server backend.</li><li>Learned Agile workflow, and database fundamentals from STEP engineers.</li></ul>   |                         |                              |
| <b>Team Lead, Programming Lead</b>   | <b>Spartan Robotics</b> | <b>Sept 2016 — June 2020</b> |
| <ul style="list-style-type: none"><li>Raised \$6,000 in sponsorships for our team in five months by organizing business presentations and winning a 2019 programming contest.</li><li>Taught systems and robotics-level Java concepts to new student programmers.</li><li>Led the design, programming, and budgeting of a 125-lb robot each year.</li><li>Managed a team of 40 students with bi-weekly meetings, while outlining goals using a Kan-Ban system.</li><li>Hosted educational outreach events to K-12 students in our community, teaching Scratch programming.</li></ul> |                         |                              |

## EDUCATION

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|---|-------------------------------|----------------------------|
| <b>Waterloo, Ontario</b>  | <b>University of Waterloo</b> | <b>Sept 2020 — Present</b> |
| <ul style="list-style-type: none"><li>Candidate for Bachelor of Applied Science, Honours Mechatronics Engineering</li><li>Relevant Coursework: Digital Computation, Engineering Digital Communication and Professionalism</li></ul> |                               |                            |

## PROJECTS

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|--|--------------------------------|
| <b>Computer Vision for FIRST Robotics - 2019   Python, Tensorflow, Microsoft Azure</b>   | <b><a href="#">Devpost</a></b> |
| <ul style="list-style-type: none"><li>Deployed and created an automatically-run software project on a Raspberry Pi and robot to detect and automatically drive to competition-field objects using computer vision and machine learning.</li><li>Generated a machine-learning model using Microsoft's CustomVision.AI, integrated with Tensorflow.</li><li>Winner of the 2019 BOS Raspberry Pi Contest, worth \$2,500 in team sponsorships.</li></ul> |                                |
| <b>FIRST Robotics - Robot Code 2018 - 2020   Java</b>  | <b><a href="#">GitHub</a></b>  |
| <ul style="list-style-type: none"><li>Implemented a Java controls structure for communication between operator and robot components (e.g: robot drivetrain, operator joysticks, internal safety and power-distribution logic).</li><li>Interfaced industry-level sensors with an industry-level control system for automatic control of robot subsystems (encoders, gyroscopes, limit switches, beam-break sensors).</li></ul>                       |                                |
| <b>LiveLaunch - 2020   Flutter, EchoAR — HackTheNortheast</b>  | <b><a href="#">Devpost</a></b> |
| <ul style="list-style-type: none"><li>Developed a cross-platform mobile app that allows you to view information for rocket launches.</li><li>Leveraged Google's Flutter framework, rocket data APIs, and the echoAR framework to create an augmented-reality view of each rocket.</li></ul>  |                                |
| <b>Sendable - 2019   Angular, Google Firebase — CitizenHacks</b>   | <b><a href="#">Devpost</a></b> |
| <ul style="list-style-type: none"><li>Developed an Angular web app to streamline the data-access request law process, allowing Canadians to have full control over the data they provide to their everyday devices and applications.</li><li>Winner of the Norton Rose Fulbright Prize</li></ul>   |                                |

## SKILLS

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- Proficient:** Java, Angular, Python, Git, HTML/CSS | **Familiar :** SQL, PHP, Arduino, Dart