# Skyler OLSON

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## COMPUTER SKILLS

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| Languages: | Python, Ocaml, C/C++, Java, Bash |
| Web: | Django, PHP, SQL, Typescript, Javascript/Jquery |
| Other: | ROS, Unit Testing, Git, LATEX |

## WORK EXPERIENCE

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| *Current*<br>AUG 2015 | Pleiades Robotics<br>*Software Developer on the Spiri Project* |

- Designing the software system to control a fully autonomous quadcopter.
- Using Robot Operating System to communicate between a Pixhawk flight controller and NVIDA Tegra TK1.
- Implementing the Unit test framework to guarantee correctness and quality.

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| JUL 2014 - JUL 2015<br>SUMMER 2013 | Computing Music<br>*Web Developer* |

- Implemented the web app for Computing Music.
- Implemented ocaml backend to communicate between the server based analysis tool and the frontend.
- Implemented typescript frontend using asynchronous programing paradigms to display and interact with music.

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| SUMMER 2012 | Intern at Ubisense |

- Verified and fixed bugs in the Django web app.
- Wrote an interface testing procedure.

## EDUCATION

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| DECEMBER 2013 | Undergraduate Degree in COMPUTER SCIENCE with a minor in PHYSICS<br>*Distinction*, **McGill University**, Montreal<br>GPA: 3.83/4 |

## VOLUNTEER EXPERIENCE

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| 2014 - 2015 | FIRST Robotics Software Mentor<br>Teaching High School students to write robotics control code in Java. |
| 2013 - 2014 | McGill Outdoors Club Activities Executive<br>In charge of organizing and leading trips for the MOC membership. |
| 2011-2012 | McGill Walksafe Technology Officer<br>Provided walks home to members of the Montreal community late at night. As the Technology officer, created a web tool to automate the scheduling of our volunteers. |

## INTERESTS AND ACTIVITIES

Camping (any time of year), paddling (canoes or kayaks), skiing (downhill and uphill), music (flute, guitar, piano, roughly in that order), writing (one novel down...)