

Ryan P Somerfield

Master's Student Seeking Internship

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I am a highly driven master's student seeking an internship position in engineering where I can lend my broad knowledge of software and technology to the areas of autonomy, control, navigation, and computer vision.

Education

- 08/2018 – 12/2019** **Master of Science, Systems and Entrepreneurial Engineering**
University of Illinois at Urbana-Champaign- GPA: 3.66/4.00
- Specialization in Decision and Control
- 08/2013 – 05/2017** **Bachelor of Science, Systems Engineering and Design**
University of Illinois at Urbana-Champaign- Department GPA: 3.43/4.00
- Dean's List - Fall 2014, Fall 2016, Spring 2017

Experience

- 01/2019 – 05/2019** **Graduate Teaching Assistant – Mechatronics Laboratory**
University of Illinois at Urbana-Champaign – Urbana, IL
- Led laboratory activities and managed learning objectives to facilitate student growth in embedded systems and mobile robotics.
 - Coordinated office hours for a class of 48 students to resolve student questions and debug projects.
- 08/2017 – 08/2018** **Project Design Leader**
TinkRWorks, LLC. – Hinsdale, IL
- Developed software and robotics modules for use in schools to enhance and reinforce classroom learning
 - Utilized microcontrollers, single-board computers, CAD software, C-based languages, Python, and Open Source packages in the development of projects to create robust and unique learning modules
- 05/2016 – 08/2016** **Engineering Design Intern**
Littelfuse, Inc. – Champaign, IL
- Developed software for the automation of data analysis, saving time during the testing process
 - Planned and performed electrical testing on various electronic components

Skills and Software Highlights

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|---------------------------|-------|--------------------------------|-------|
| • Python Programming | ★★★★★ | • Control Systems | ★★★★★ |
| • C/C++ Programming | ★★★★☆ | • Machine Learning | ★★★★☆ |
| • Robot Operating System | ★★★★☆ | • Rapid Prototyping Techniques | ★★★★☆ |
| • Linux | ★★★★☆ | • Start-up Experience | ★★★★★ |
| • Computer Vision | ★★★★☆ | • Leadership | ★★★★★ |
| • Web and App Development | ★★★★★ | • Fast Learner/Self Sufficient | ★★★★★ |

Additional Activities

- 08/2013 – 05/2017,** **Student Athlete**
08/2018 - Present *Illinois Cross Country Club, Illinois Track Club – Champaign, IL*
- 2018 Cross Country National All-American
 - 2014 National Intercollegiate Running Club Association 'B' Race National Champion
- 05/2016 – 05/2017** **Head Coach**
Illinois Cross Country Club – Champaign, IL
- Led and managed approximately eighty team members and athletes to facilitate successful races and professional interaction with other teams
 - Collaborated and cooperated with other Executive Board members to drive the direction of the club to a 4th place National team finish.