

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 – Present** **Master of Science, Systems and Entrepreneurial Engineering**
University of Illinois at Urbana-Champaign- GPA: --/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

- 08/2017 – 08/2018** **Project Design Leader**
TinkRWorks, LLC. – Hinsdale, IL
- Developed STEM-based electronics, robotics, and programming projects in a way accessible to children age 8+
 - Utilized microcontrollers, single-board computers, CAD software, C-based languages, Python, and Open Source packages in the development of projects
 - Implemented methods for use and best of practices of rapid prototyping technology including 3D printers, laser cutters, and CNC milling machines.
- 05/2016 – 08/2016** **Engineering Design Intern**
Littelfuse, Inc. – Champaign, IL
- Utilized 3D CAD software to design prototypes for new products
 - Developed VBA programs for the automation of data analysis, saving time during the testing process
 - Collaborated with LEAN Manufacturing and Six Sigma certified engineers in developing efficient manufacturing processes
 - Planned and performed electrical testing on various electronic components

Skills and Software Highlights

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|---------------------------|-------|--------------------------------|-------|
| • Python Programming | ★★★★★ | • Autodesk Inventor | ★★★★★ |
| • C/C++ Programming | ★★★★☆ | • Autodesk Fusion 360 | ★★★★☆ |
| • Robot Operating System | ★★★★☆ | • Rapid Prototyping Techniques | ★★★★☆ |
| • LabVIEW | ★★★★☆ | • Electronics/Soldering | ★★★★☆ |
| • Matlab/Simulink | ★★★★☆ | • 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*
- Competed in 8 kilometer and Track and Field races against other collegiate athletes nationwide.
 - 2014 National Intercollegiate Running Club Association 'B' Race National Champion
- 05/2016 – 05/2017** **Head Coach**
Illinois Cross Country Club – Champaign, IL
- Leader and manager of approximately eighty team members and athletes
 - Collaborated and cooperated with other Executive Board members to drive the direction of the clubs