

**JASON WHITFIELD**  
756 Taylor Street  
Chelsea, MI 48118  
(734) 645-5340 • [jtwhit@umich.edu](mailto:jtwhit@umich.edu)

## EDUCATION

<u>University of Michigan</u> Bachelor of Science in Engineering in Computer Science Graduation date: April 2018 GPA: 3.93 / 4.00	September 2015 – Present
<u>Saline High School</u> GPA: Weighted – 4.39 / 4.00, Unweighted – 3.98 / 4.00	September 2011 – May 2015

## EXPERIENCE

<u>Kennedy Group, Department of Chemistry, University of Michigan</u> <i>Research Assistant</i> <ul style="list-style-type: none"><li>• Published “An Inexpensive, Open-Source USB Arduino Data Acquisition Device for Chemical Instrumentation,” ACS Journal of Chemical Education, July 2016</li><li>• Wrote software in C++, Python, and LabView for use in acquiring, graphing, and recording data.</li><li>• Created prototype circuits for low-cost analytical chemistry instruments.</li><li>• Utilized Arduino microcontrollers for data acquisition.</li></ul>	June 2015 – December 2016
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## EXTRACURRICULAR ACTIVITIES

<u>Michigan Mars Rover</u> <ul style="list-style-type: none"><li>• Assisted in programming onboard, wireless control of mars rover using Google's Go programming language.</li><li>• Implemented GPS data communication and parsing also using Go.</li><li>• Designed and programmed Graphical User Interface using C++ QT for use in user control of rover.</li></ul>	September 2015 – Present
<u>National Honor Society</u> <ul style="list-style-type: none"><li>• Distributed bags and fliers to collect food for local food drive.</li><li>• Tutored middle school students with homework.</li><li>• Volunteered at the Saline Area Social Services food bank.</li></ul>	September 2014 – May 2015
<u>Science Olympiad</u> <ul style="list-style-type: none"><li>• Competed in events dealing with topics such as chemistry, magnetism, geology, and time.</li><li>• Won three first place medals, as well as three other medals, at the state level competition.</li></ul>	September 2013 – May 2015

## AWARDS AND ACHIEVEMENTS

<u>National AP Scholar</u> <ul style="list-style-type: none"><li>• Awarded to students who score at least a 4 on eight or more AP exams.</li></ul>	2015
<u>Presidential Scholar Candidate</u> <ul style="list-style-type: none"><li>• Selected as a candidate for the US Presidential Scholar program. Students are chosen as candidates based on exceptional ACT or SAT scores.</li></ul>	2014

## SKILLS

- C++, Java, Go, Python, MATLAB, LabView
- Arduino microcontrollers, Breadboard circuitry
- Linux, Git