

# Will J. Jacobs

W5016 Florine Lane  
Fort Atkinson, WI 53538

william.jacobs@wisc.edu  
920-397-6183

<b>Objective</b>	Full time entry-level engineering position in data processing, systems and embedded programming, automation and controls systems, and robotics.
<b>Education</b>	<p><b>B.S. Electrical Engineering and B.S. Computer Science</b>, December 2017 University of Wisconsin-Madison</p> <p>Relevant Classes:    <i>Machine Organization and Programming</i>                      <i>Numerical Methods</i>                                  <i>Signals, Information, and Computing</i>                      <i>Computer Architecture</i>                                  <i>Microprocessor Systems and Laboratory</i>                      <i>Software Engineering</i>                                  <i>Introduction to Robotics</i>                      <i>Operating Systems</i></p>
<b>Experience</b>	<p><b>Tutor</b>, September 2016 – December 2017 UW – Madison Computer Science Department, Madison, WI</p> <ul style="list-style-type: none"><li>• Provide assistance to students on their academic projects and reinforce in class concepts</li></ul> <p><b>Student Custodial Supervisor / Student Custodian</b>, August 2014 – December 2017 University Housing Facilities, Madison, WI</p> <ul style="list-style-type: none"><li>• Conducted inspections of team members to maintain APPA standards of cleanliness.</li><li>• Organized and directed staff training and meetings.</li><li>• Mediated hiring, onboarding and termination of employees.</li><li>• Utilized enterprise scheduling and timecard management software to manage employees.</li></ul> <p><b>Engineering Intern</b>, May 2015 – August 2015 General Dynamics Mission Systems, Bloomington, MN</p> <ul style="list-style-type: none"><li>• Contributed to proprietary GD software project in python within an agile environment.</li><li>• Developed Puppet manifests to provision HPC nodes with GD proprietary software.</li><li>• Ensured our project met security regulations to integrate with the customer's classified network.</li><li>• Presented my work and internship experience to peers, coworkers, managers, and heads of engineering.</li></ul> <p><b>Intern Software Developer</b>, June 2013 – August 2013 Blackthorne Capital Management LLC, Whitewater, WI</p> <ul style="list-style-type: none"><li>• Developed additional features for an internal application in Java and SWT</li><li>• Worked in a paired programming environment and participated in regular code reviews</li></ul> <p><b>Summer App Developer</b>, June 2014 – August 2014 UW – Whitewater, Whitewater, WI</p> <ul style="list-style-type: none"><li>• Developed Android application that interfaces with Arduino-driven CO<sub>2</sub> sensor over Bluetooth</li></ul>
<b>Computer Skills</b>	<p>Languages:    Java, C, C++, Python, PHP, MATLAB, Bash</p> <p>Tools:         SWT, Android SDK, Django, Git, GDB, KEIL</p> <p>                    Mac OS X/Linux/Windows, Word Processing, Systems Administration</p>
<b>Activities</b>	Eagle Scout; volunteer Madison CS After School Elementary Educational Program teacher; participated in IEEE, MadHacks, Badger Ballistics Amateur Rocketry; various programming competitions, 2011-14: Marquette, MSOE, UW-Whitewater.