**Daniel Engbert**  
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| **Education** | **University of Maryland Baltimore County (UMBC):**   * 4.0 Cumulative GPA * Major: Computer Engineering, Minor: Math * Expected Graduation: May 2019   **University Involvement:**   * Baja SAE (intercollegiate engineering design competition) * Hack UMBC Club   **Scholarships:**   * UMBC President’s Distinguished Award * Society of American Military Engineers (SAME) scholarship recipient   **High School:**   * Attended the *Science and Math Academy* (competitive magnet program) * 3.9 weighted GPA | August 2015-  Present  August 2011-  June 2015 |
| **Technical Skills** | **Programming:**   * Proficient in Java, C++, VB, VBA; familiar with C, Python. * Familiar with Linux, EMACS, git, github   **Robotics:**   * Worked on FRC robotics team 3941 for two years * Extensive Arduino and PIC microcontroller experience   **Software:**   * CAD: Proficient in Solidworks, Sketchup, and Eagle CAD * Fluent in Microsoft Office, GIMP/Photoshop |  |
| **Projects** | **Templated C++ Linked List (class project)**  Designed a templated C++ linked list class which can be traversed in time.  **Java Markov Chain (personal project)**  Created a Java program that analyzes a provided paragraph and then generates random sentences based on patterns in the paragraph.  **Capstone Project (High School):**  Worked with a mentor to develop an Arduino system with sensors, a custom PCB, and an exercise bike that controlled cars in racing games on a computer.  **Microcontrollers Course (High School):**  Sent and received data over serial communication between a computer running a VB program and a PIC microcontroller while outputting the data onto a LCD. | Dec 2015  Dec 2015  Aug 2014-  May 2015  Jan 2015-  May 2015 |
| **Work Experience** | **Assistant Programming Instructor:**   * Employer: Black Rocket Productions, Location: Harford Community College * Responsibilities: Taught basic programming skills to elementary and middle schoolers as part of a summer computer skills camp. Topics included HTML, CSS, and GameMaker. Worked with another instructor to plan lessons while regularly leading the instruction of new material to the students.   **Scout Camp Counselor:**   * Location: Broad Creek Memorial Scout Reservation (Whiteford, MD) * Responsibilities: Taught Merit Badge classes to scouts; managed and a Scout Troop each week by serving as a liaison between them and the camp leaders. | Summer 2014  Summers of 2011-2014 |