William Ganucheau

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Aspiring software developer with a passion for doing cool things. Passionate about artificial intelligence, machine learning, and robotics with experience in industry, research, and hobby projects. Can work efficiently as an individual or as part of a team. Able to code, write, and speak clearly and effectively.

Education

Carnegie Mellon University   *Aug. 2014 - May 2018*
- Pursuing a Bachelors in Computer Science
- 4.0 Cumulative GPA

Louisiana School for Math, Science and the Arts   *June 2011 - May 2014*
- Excellence in math and science
- Graduation with Distinction
- One of five Robert A. Alost Hall of Fame award recipients

Experience

CMU Robotics Institute - Research Assistant   *Sept. 2014 - present*
- Working on a research group to investigate the applications of computer vision and autonomous control methods in the context of a small lunar rover

Carnegie Mellon Racing - Software Developer   *Sept. 2014 - present*
- Working on a team to develop software to receive and display racecar data in real time
- Responsible for developing the backend software in C and python to receive that data, and integrating that software with a Django database

C&C Technologies - Software Developer   *Summer 2013, 2014*
- Independently developed a physically accurate simulator written in C++
- Improved the company's efficiency by providing a more convenient way to test navigation algorithms and other software involved with the company's autonomous vessels

University of Louisiana at Lafayette - Software Developer   *Summer 2012*
- Worked on a team to design the ground control software for a pico-satellite to communicate with the device from Earth. The project was built with C#.

Hobby Projects - Nerd   *2010 - present*
- Python library for creating and using feed-forward neural networks
- Python library for creating and using genetic algorithms
- Java utility to perform optical-character recognition

Skills

Programming Languages
- C++, C, Java, Python, Javascript

Other
- Unix, Version Control (Git and Mercurial), Vim, Microsoft Office