Joseph M. Lyon

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Objective	To Obtain a summer internship in the area of Computer Science and Software development in order to develop my abilities and to gain experience in a real world working environment.

Education

Rensselaer Polytechnic Institute (RPI), Troy, NY   Expected: May 2020
Bachelor of Science In Computer Systems Engineering
- Cumulative GPA: x/4.0; In-Major GPA: x/4
- Dean's List semi-finalist; Rensselear FIRST Scholarship recipient

Related Experiences

Data Structures, RPI   Fall 2016
- Applied acquired knowledge about data structures and C++ as learned in the class to programming problems.

NAO Robot Development   2014-2015
- Developed Software in Python to run on Aldebaran Robotics' NAO Humanoid robot platform to be used in Special Education Classes.
- Included Computer vision applications for shape recognition on cards and other games for students.

Captain of FIRST Robotics Competition Team 3044   Fall 2015-Spring 2016
- Held the captain position on an FRC team, as well as acted as main driver.
- Required Coordination of a large group to complete a complex task.
- Used real world organization and leadership techniques including a matrix organization.

Lead Software Developer on FRC Team 3044   Fall 2013-Spring 2016
- Organized several programmers to all contribute to a single code base using version control (git).
- Developed a vision tracking system in C++ and OpenCV capable of running on an embedded system.

Employment

Lifeguard at Ballston Spa High School   Fall 2014 – Fall 2016