

## EDUCATION

Bachelor of Science, Computer Science (Expected Graduation Spring 2015)  
Rochester Institute of Technology, Rochester, NY  
G.P.A. 3.330/4.0 (Professional G.P.A. 3.666/4.0)

## EXPERIENCE

**Software Intern** *BAE Systems, Inc., Nashua NH* Summers 2011, 2012, 2013  
Developed and redesigned simulation tools for Electronic Warfare using a real-time embedded system. Developed programs in C++, Python, and Perl to fix and enhance in-house tools for testing and version control enhancement. Work required a Secret-level security clearance.

**Grader** *Rochester Institute of Technology* Fall 2012, 2013  
Graded assignments for several courses in the beginning Computer Science sequence. Wrote a variety of tools to aid in plagiarism detection and grading accuracy and consistency.

**Student Lab Instructor** *Rochester Institute of Technology* Winter-Spring 2012-2013  
Worked with students taking the Computer Science 4 course in C++. Provided instruction and assistance during laboratory sessions. Held tutoring hours twice a week.

**Software Lead** *FIRST Robotics Team 166, Merrimack NH* Fall 2007-Spring 2011  
Led and participated in a team of programmers to develop a program to control the team's robot. Received the Dean's List award at the Granite State Regional in 2011.

## COMPUTER SKILLS

- Strong programming skills in C, C++, D, and Python
- Working knowledge of Java, PHP, Javascript, Perl, HTML, and LaTeX
- Background in development for Windows, Linux, and real-time embedded systems
- Familiar with the Git, Mercurial, Subversion, and ClearCase version control systems

## RELEVANT PROJECTS

**Object-Oriented Binding Library ("Metus")** Fall 2012 - Spring 2013, ongoing  
Object-oriented bindings to adapt C libraries to idiomatic D libraries. Handles the ZeroMQ socket library and the ncurses user interface library, and includes a Protocol Buffer implementation developed from scratch.

**ClearCase library ("cleartoolscrip")** Summers 2011-2013  
High-level shell wrapper in Python to work with the ClearCase version control system. Contains functionality to use the most commonly-required tools.

**Interpreter ("Oratd")** Winter 2011-2012  
Designed a programming language and created an interpreter using D.

## OTHER ACTIVITIES

- Active member of Computer Science House at the Rochester Institute of Technology
- Active in the FOSS Box, an initiative at the Rochester Institute of Technology that promotes open source software development
- Interest in languages (some American Sign Language and French knowledge) and performing arts (theater, music)

*References provided upon request*