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Education	**Rensselaer Polytechnic Institute (RPI)**, Troy, NY	
	Bachelor of Science in Comp. Sys. Engr. & Comp. Sci. (Dual Major)	
	• Rensselaer Medalist Award	
	• Rensselaer Recognition Award	December 2016
	• Deans List (Fall 2013, Spring 2014, Fall 2014)	GPA: 3.75/4.0
	• Sophomore with Junior status	
	University of Massachusetts Amherst (UMASS), Amherst, MA	Summer 2014
	• Physics 1, Physics 2, and Differential Equations	GPA: 4.0/4.0
	Pioneer Valley Christian Academy, Springfield, MA	
	• Class of 2013 Valedictorian	Spring 2013
	• National Honor Society Member	GPA: 4.2/4.0
	• Class President (Sophomore and Junior)	

Relevant Coursework

Data Structures (C++)
- Designed and implemented a recursive path finding algorithm to calculate and display the most efficient solutions to "Ricochet Robots" puzzles.
- Developed a program to manage the physical DVD media inventory of Netflix.
- Implemented custom data structures such as a Google+ like relationship network.
- Implemented lossless image compression using perfect hashing.

Laboratory Introduction to Embedded Control
- Led a four-person team in the creation of a 78 page technical report detailing the implementation and design of the modular circuits and programs created to control the closed-loop feedback systems of a ramp-climbing car and self-correcting gondola.
- Developed modular C89 programs to interface with a C8051 microcontroller and various sensors using PWM, serial communication, and ADC for sensing, control, and display.

Comp. Sci. 1 (Python), Comp. Components and Operations, Fndns. of Comp. Sci., Engr. Graphics & CAD, Physics II, Intro. to Eng. Design, Intro. to Algorithms, Electric Circuits, Comp. Arch., Nets., & OS

Experience

ALAC Tutor, *Rensselaer Polytechnic Institute (RPI), Troy, NY*   Fall 2014 - Present
Drop-In Tutor for the Advising and Learning Assistance Center
- Instructing students in Physics 1, Physics 2, Computer Science 1 (Python), and Data Structures (C++) one-on-one.

Small Group Tutor for the Advising and Learning Assistance Center
- Leading a small group of students to success in understanding Biology and Biology Laboratory.

Private Tutor through the Advising and Learning Assistance Center
- Leading one-on-one tutoring sessions for Physics 2.

Skills

Proficient: C++, Python, NX 8.5 (CAD), Xcode, Microsoft Office, OS X, Leadership, Public Speaking
Familiar: LaTeX, C89, wxPython, Linux (Ubuntu), Vim

Interests / Activities

Management, Military Technologies, Hardware-Software Integration, Innovation, Entrepreneurship, New Technologies, Learning, Leadership House, HackRPI, RPI Cubing Club, Circle K, Rensselaer Christian Association, Rensselaer Student Association, Baseball