

# Philip Seger

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## Objective

An internship opportunity in a computer science related field.

## Education

2013 - Present **Franklin W. Olin College of Engineering**, Needham, MA.

Class of 2017 Candidate for Bachelor of Science in Engineering.

GPA: available in May 2014

**Coursework includes:** Modeling and Simulation; Modeling and Control; Software Design; Real World Measurements; Linearity 1

*Recipient of 4-year, 50% Olin Merit Scholarship.*

2009 - 2013 **Valley Catholic High School**, Beaverton, OR.

AP Scholar; National Honor Society.

## Experience

November **IT Technician**, *Olin College of Engineering*, Needham, MA.

2013 - Present Diagnose, troubleshoot, and repair technical problems with student and faculty computers. Maintain the IT systems for Olin with a small team using Track-IT software to monitor ticket status. Replace motherboards, recover data from hard drives, resolve printer issues, and interface with staff and students to figure out technical issues.

February 2014 **Music Program Course Assistant**, *Olin College of Engineering*, Needham, MA.

- Present Organize audio and visual systems for class performances and events.

October 2011 **Peer Tutor**, *Valley Catholic High School*, Beaverton, OR.

- May 2013 Taught underclassmen in AP Physics AB and Pre-Calculus at a local high school. Helped explain core concepts by bridging the gap between the student and the teacher.

September **Lab Assistant**, *Valley Catholic High School*, Beaverton, OR.

2010 - Prepared labs, organized chemicals, mixed solutions, and built presentations to display to other classes.

January 2013

May 2011 - **Lifeguard**, *Hillsboro Parks and Recreation*, Hillsboro, OR.

July 2013 Assured the safety of patrons and assisted those in need throughout the summer. Monitored patrons, assured safety of guests, kept team members updated on issues, reported to superiors on problems, and maintained the facilities for a large public pool.

## Leadership and Activities

September **Student Ambassador**, *Valley Catholic High School*, Beaverton, OR.

2011 - May Selected by school faculty to represent the high school during public events. Helped set up and organize school events, e.g., yearly auction, speech tournament, and open-house.

## Projects

Spring 2013 **Computational Art**, *Software Design*.

Programmed a Python script that randomly generated mathematical formulae. These formulae were then used in a recursive script to draw artwork.

Fall 2013 **Mechanized Beaver**, *Design Nature*.

Worked in a team to design and build a mechanized beaver childrens toy. It was able to swim in a pond and was used to pick up logs. The children then used the logs to build a dam and save the beaver pup.

Fall 2013 **Modeling Dialysis**, *Modeling and Simulation*.

Worked with a partner to model the rate of dialysis in both a dialysis machine and the blood stream. This involved using real world data and calibrating our theoretical dialysis machine correctly.

## Skills

Software Java, MatLab, Python, Linux, HTML,  $\text{\LaTeX}$ , Track-IT, InDesign, Sibelius.