

# ELIJAH BOSLEY [elijahbosley.com](http://elijahbosley.com)

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## SKILLS & ABILITIES

- ❖ Experienced with: Arduino, C, Ruby, Processing, Windows, Linux (Ubuntu, Mint), Unix Shell, SQL
- ❖ Background in Java and Python with numerous completed projects
- ❖ Hands on work with networking, setting up NAS, DD-WRT, and basic servers
- ❖ Knowledge of design and software development principles, as well as good development practices
- ❖ Extensive experience troubleshooting through internet and phone

## EXPERIENCE

**SELF-EMPLOYED** Computer Programming Mentor 2015  
Mentored a student in the Java programming language and helped him to create a simple side scrolling videogame, with dynamic lighting.

**TANDEM FRIENDS SCHOOL** Technical Volunteer 2014-2015  
Assisted in creation and implementation of a Linux distribution for Tandem Friends school workstations, to optimize speed for low end hardware.

**COMPUTERS4KIDS** Refurb Volunteer 2012, 2014  
Installed OS and software on used and donated computers for distribution to children in need.

**SELF-EMPLOYED** Computer Repair 2012, 2014  
Home-based computer repair and technology problem-solving summer business, sourced products and researched software to solve various hardware and software issues.

**FIRST ROBOTICS** FTC Team Defying Gravity 2012-2013  
Virginia State Champion, Regional Inspire Award and Winning Alliance Award Recipient, Build Team Co-Leader, helped to design, build, and program a 16"x16" robot to solve a 4 foot tall tic-tac toe board.

**NORTHROP GRUMMAN** High school Involvement Program (HIP) 2012-2013  
Designed a first-person camera system for an unmanned-aerial vehicle, using radio frequency to transmit video signals.

## EDUCATION

**ROCHESTER INSTITUTE OF TECHNOLOGY**, Rochester, New York 2015-Present  
BS Software Engineering, Honors Program, Expected 2020  
RIT Dean's List: (GPA 3.7, Major GPA: 4.0), Society of Software Engineers: Talks Head

**TANDEM FRIENDS SCHOOL**, Charlottesville, Virginia 2013-2015  
Honor Roll Student, Private High School  
Senior Project: Designed and created open-loop water-cooling system for a desktop computer

Governor's School (Virginia) Engineering Nominee

Tandem Friends School Swim Team Member

**ALBEMARLE HIGH SCHOOL**, Charlottesville, Virginia 2011-2013  
Honor Roll Student, Public High School  
Attended the Math Engineering and Science Academy, a selective STEM program for Albemarle County Public Schools

Volunteer Coach for Hollymead Swim Team

Hollymead Swim Team Member, Coaches Award Recipient, member for 8 years