

Nathaniel Birrer  
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## Education - Engineering Physics

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### **Ramapo College of New Jersey (2013-present)**

- Pursuing BS in Engineering Physics
- Minors in Computer Science and Mathematics
- GPA 3.95, Dean's List
- Expected Graduation 2017

### **County College of Morris (2011-2013)**

- Dual-credit courses in high school
- GPA 4.0

## Skills

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|--------------------------------|---------------------------|
| • C++ and Python programming   | • X-ray imaging equipment |
| • Linux/UNIX operating systems | • Electronics             |
| • Experimental lab work        | • Basic machining         |

## Experience

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### **Physics and Computer Science Tutor (2014-present)**

Ramapo College of New Jersey - Tutor of Computer Science I and II, Physics I and II

### **Research Intern - Nondestructive Characterization Institute (2016)**

Lawrence Livermore National Laboratory, Computational Engineering Division - DHS internship program - developed tools to perform analyses on x-ray imagery

### **Research Intern - Experimental High Energy Physics (2015)**

College of William and Mary - Participated in NSF-funded physics research program, writing code and performing data analysis for LArIAT experiment at Fermilab

## Activities

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**President, Ramapo College Mathematics Club (2014-2015)**

**Vice President, Ramapo College Geocaching Club (2014-present)**

**Treasurer, Ramapo College Rock Climbing Team (2013-present)**

## Awards

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**Philip Anderson Memorial Endowment for Physics (2016)**

**Teddy Halpern Physics Scholarship (2014)**