

Nathaniel Birrer  
4 Beechwood Dr., Succasunna, NJ 07876  
natbirrer@gmail.com  
(973) 668 8287

## 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 4.0, Dean's List
- Expected Graduation 2017
- Relevant Courses
  - Advanced Mechanics
  - Modern Physics
  - Condensed Matter and Nuclear Physics
  - Electrodynamics I
  - Complex Variables
  - Differential Equations
  - Multivariable Calculus
  - Computer Science I and II

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

- Dual-credit courses in high school
- GPA 4.0

## Skills

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- C++ and Python programming
- Linux operating system
- R programming
- Open source GIS and data processing

## 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 (2015)

Participated in NSF-funded physics research program at the College of William and Mary, writing code and 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)

Ramapo College Rock Climbing Team (2013-present)

## Awards

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Ramapo Summer Reading Essay Contest (2013)

Teddy Halpern Physics Scholarship (2014)