

# SEAN RICHARDSON

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## EDUCATION

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**Lewis & Clark College. Portland, Oregon (GPA: 3.973)** *September 2016 - May 2020*  
Bachelor of Arts in Computer Science and Mathematics (GPA: 4.0)  
Bachelor of Arts in Physics (GPA: 4.0)

**Budapest Semesters in Mathematics. Budapest, Hungary (GPA: 4.0)** *Summer 2019*

## RELEVANT EXPERIENCE

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**Participated in Putnam Math Competition (20pts)** *December 2019*

**Grader for Math and Physics Classes** *September 2019 — May 2020*  
Grader at Lewis & Clark College in discrete mathematics, introductory physics, and quantum physics.

**Peer Tutor for Math, Physics, and CS** *September 2017 — May 2020*  
Taught and tutored material and encouraged peers. Occasionally led a class period in math.

**Took 30+ College Level Math, Physics, and CS Classes** *September 2016 — May 2020*

## RESEARCH EXPERIENCE

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**Mathematics Research in Differential Geometry** *Lewis & Clark College, Summer 2018*

- Studied relevant literature and background.
- Conjectured and proved result.
- Created poster and powerpoint presentations.
- Wrote, edited, and published academic paper.

**Trained a Neural Network to Identify Cloud Images** *Lewis & Clark College, Summer 2017*

- Programmed in Python
- Automated process with shell scripting.
- Collaborated with Environ. Science Dept.
- Reviewed and discussed relevant literature.

## ACADEMIC ACHIEVEMENTS

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**Pi Mu Epsilon Honors Society Member** *November 2019 — Present*  
A national mathematics honors society; membership determined by college math faculty.

**Published Academic Paper** *October 2019*  
Article titled “You can hear the local orientability of an orbifold” in the journal *Differential Geometry and its Applications*. The paper presents a new theorem and proof.

**Scholar Athlete of the Year Award** *May 2019*  
An award bestowed by Lewis & Clark athletic administration for academic and athletic achievements.

**Feynmann Book Award to Outstanding Introductory Physics Student** *May 2018*  
An award bestowed by college physics faculty to the top sophomore physics student based on academics.

**CCSC Conference Poster Presentation First Prize** *October 2017*  
Gave poster presentation and brief talk on summer 2017 research. Award decided by conference committee composed of faculty. CCSC Northwestern Region.

**Pamplin Honors Society Member** *September 2017 — Present*  
Membership extended by the Society to seven Lewis & Clark students annually for academics/leadership.

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More details on projects, course work, writing samples, and achievements at [seanhrichardson.com](http://seanhrichardson.com)