

SEAN RICHARDSON

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EDUCATION

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)

RELEVANT SKILLS

- Python experience from coursework.
- C, C++ and gdb experience in coursework.
- Java experience from coursework.
- Git user and experience using git with a team.
- Linux user and shell scripting experience.
- 30+ college level math/physics/CS classes.

RESEARCH EXPERIENCE

Mathematics Research in Differential Geometry

Lewis & Clark College, Summer 2018

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

Trained a Neural Network to Identify Cloud Images

Lewis & Clark College, Summer 2017

- Collaborated with Environ. Science Dept.
- Reviewed and discussed relevant literature.
- Managed and preprocessed data.
- Automated process with shell scripting.

ACADEMIC ACHIEVEMENTS

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.

OTHER

Grader for Math and Physics Classes

September 2019 — May 2020

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.

More details on projects, course work, writing samples, and achievements at seanhrichardson.com