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)

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

RESEARCH EXPERIENCE

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*
- Collaborated with Environ. Science Dept.
- Implemented/trained neural net. in python.
- Reviewed and discussed relevant literature.
- Created poster and powerpoint presentations.

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.

LEADERSHIP

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

College Athlete in Cross Country and Track *September 2016 — May 2020*
Gave younger athletes encouragement, advice, and a good example as the most experienced runner.

OTHER

Grader for Math and Physics Classes *September 2019 — May 2020*

Technical Skills
Fluent in Python, Java, C, Linux, LaTeX, and Excel.