

Joseph Peterson

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Education

Bachelor of Arts in Computer Science (anticipated date 2018) --- St. Olaf College: Northfield, MN

- Cumulative GPA: 3.5
- Relevant coursework: Hardware Design, Algorithms and Data Structures, Linear Algebra, Parallel and Distributed Computing

Skills

- Technical: C++, Python, Django, JavaScript, Three.js, Linux, Bash, Git
- Music: Over 7 year of piano, cello, and vocal music experience

Work Experience

Web Developer --- St. Olaf College, Northfield, MN (Summer 2017)

- Django developer for St. Olaf web-based tool WebMapReduce
- Migrated Django server to an improved ReST API
- Set up CI environment and wrote documentation

Lead Beowulf Cluster Manager --- St. Olaf College, Northfield, MN (2016-2018)

- Worked under Dr. Richard Brown managing hardware and software on Beowulf Clusters and CS department hardware
- Collaborated with students and faculty to use high performance computing in research

SIGGRAPH Student Volunteer --- Los Angeles, CA (August 2017)

- Ushered various graphics research and animation industry talks
- Fielded questions from attendees on conference events and locations

Teaching Assistant --- St. Olaf College, Northfield, MN (2016-2017)

- Assisted Software Design students in learning C++ object oriented programming
- Hosted lab assignment help sessions for 40 students

Academic Projects

4D Geometry Teaching Tool --- St. Olaf College, Northfield, MN (2016-2017)

- Built for Dr. Paul Humke for use in class to teach 4D geometry concepts
- Helps students understand 4D thinking by visualizing slices of 2D, 3D, and 4D shapes

Progressive Mesh Streaming St. Olaf College, Northfield, MN (January 2016)

- Part of a student led team that researched web based progressive mesh streaming
- Presented our work at the 2016 Midwest Instruction and Computing Symposium

Activities

Northfield Coder Dojo

- Taught Scratch, Javascript, and Python to local elementary and middle school students

St. Olaf College ACM chapter

- Hosted technical workshops

Game Design and Animation Club

Ping Pong Club