

STEPHANIE MCCUMSEY

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EXPERIENCE

Teaching Assistant, *Department of Computer Science, University of Oregon*

Eugene, OR, September 2015 - Present

- Led weekly discussions to help students complete their python programming exercises (Intro to Programming and Problem Solving, Fall 2016)
- Implemented distributed algorithms using MQTT messaging protocol that students were given as homework (Software Engineering, Spring 2016)
- Graded problems related to stream processing with Apache Spark (Big Data, Winter 2016)
- Engaged with students learning how to program a Raspberry Pi in Python and graded homework assignments (Intro to Data Science, Fall 2015)

Summer Intern, *Department of Computer Science, University of Oregon*

Eugene, OR, Summer 2016

- Developed a website using Django, JavaScript, CSS, and HTML for university students learning programming
- Features a discussion board, Google authentication, an automated grader for student code submissions, and utilizing the Django Admin page so the course professor can extend and modify the site

Lab Assistant, *Department of Neuroscience, University of Oregon*

Eugene, OR, September 2012 - June 2015

- Designed procedural experiments and presented my findings at lab meetings for review
- Maintained lab supplies and resources and aided researchers with their experiments

Undergraduate Research Fellow, *Howard Hughes Medical Institute Janelia Research Campus*

Ashburn, VA, Summer 2014 and Summer 2015

- Adapted an existing machine learning algorithm to optimize for locating and tracking fluorescing muscles in *D. melanogaster* larvae
- Participated in weekly journal clubs, presented my research orally and at a poster session

EDUCATION

B.S. in Computer Science (minor in Mathematics), *University of Oregon 2016*

COMPUTER SKILLS

Languages

- Python, JavaScript, HTML, CSS, MATLAB, C

Software/Frameworks/Libraries

- Django, Apache Spark, OpenMP