Stephanie McCumsey

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Experience

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| Teaching Assistant, *Department of Computer Science,* University of Oregon  Eugene, OR, September 2015 – December 2016   * 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

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

Computer Skills

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| Languages   * Python, JavaScript, HTML, CSS, MATLAB, C   Software/Frameworks/Libraries   * Django, Apache Spark, OpenMP | |