

Joseph Monaco

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Github: MonacoJoseph

EDUCATION	University of Pittsburgh , Pittsburgh, PA <i>Bachelor of Science</i> , Computer Science, Expected April 2020 GPA: 3.96	
COURSES	Intermediate Programming with Java, Discrete Mathematics, Data Structures, Computer Organization & Assembly, Algorithms, Systems Software, Parallel Programming, Calculus 1 & 2, Linear Algebra.	
COMPUTER SKILLS	Languages: Java, C, Python, Javascript Applications: Vi/Vim, PyCharm, Jupyter Notebook, Git Technologies: OpenCV, Scikit-learn, Pandas, Numpy, CUDA, MPI, Conda, Virtualenv	
EXPERIENCE	Undergraduate Teaching Assistant	Department of Computer Science, University of Pittsburgh Pittsburgh, PA Aug 2016 - Present Led Data Structures (CS445) recitations ranging from 20 to 30 students. Created worksheets for midterm/final review. Hosted office hours to help with assignments. Attended bi-weekly meetings with professor to discuss recitation.
	Undergraduate Research Assistant	Department of Computational & Systems Biology, University of Pittsburgh Pittsburgh, PA May 2018 - July 2018 Worked with Dr. Chakra Chennubhotla on the intrinsic structure of ciliary motion. Used computer vision and unsupervised machine learning techniques to cluster similar motion patterns. Technologies used include: Python, OpenCV, Scikit-learn, Jupyter Notebooks, and conda. All code is open source on Github.
ACTIVITIES	Autism Speaks	Aug 2017 - Present
	Panther 2 Panther Computer Science Tutor	Aug 2017 - Present
	Geek Frisbee	June 2018 - Present
	Phi Eta Sigma Honor Society	January 2017 - Present
	Treasurer Resident Student Association	Aug 2016 - April 2017
INTERESTS	Drums/Music, Chess, Teaching, Frisbee	