Joseph Monaco

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Github: MonacoJoseph

EDUCATION

University of Pittsburgh, Pittsburgh, PA
Bachelor of Science, 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, Calculs 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
Aug 2016 - Present   Pittsburgh, PA
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
May 2018 - July 2018   Pittsburgh, PA
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