

Joseph Monaco

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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, Operating Systems, Computer Vision, Calculus 1 & 2, Linear Algebra.

COMPUTER SKILLS **Languages:** Java, C, Python, Matlab
Applications: Vi/Vim, PyCharm, Jupyter Notebook, Git
Technologies: Scikit-learn, Pandas, Numpy, CUDA, MPI, Conda

EXPERIENCE **Undergraduate Teaching Assistant** Department of Computer Science,
University of Pittsburgh
Aug 2017 - 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.

Undergraduate Research Assistant Department of Computational & Systems Biology, University of Pittsburgh
Pittsburgh, PA
May 2018 - July 2018

- Worked with Dr. Chakra Chennubhotla on ciliary motion analysis.
- Used computer vision and machine learning techniques to discover the intrinsic structure of ciliary motion.
- Created talks to discuss findings to technical and non-technical audiences.
- Technologies used include: Python, OpenCV, Scikit-learn, Jupyter Notebooks, and Conda.

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