

EDUCATION

- **Ohio State University** Columbus, OH
Overall GPA: 3.99 *Aug. 2016 – May 2020 (expected graduation)*
 - **Bachelor of Science in Computer Science:** 3.97 GPA in major; Coursework included Algorithms, Software Development, Artificial Intelligence, and Computer Graphics.
 - **Bachelor of Science in Mathematics:** 4.00 GPA in major; Coursework included Analysis, Linear Algebra, Differential Equations, Combinatorics, and Number Theory.
 - **Minor in Economics:** 4.00 GPA in minor; Coursework focused on Econometrics and Game Theory.

EXPERIENCE

- **Ohio Supercomputer Center** Columbus, OH
Student Programmer *August 2019 - Current*
 - **Scientific Applications Group:** Ensure repeatable and reliable installations of various common scientific applications provided to users. Responsible for writing and maintaining Bash/Python scripts to automate the installation and ReFrame tests used for the sanity checking of the HPC systems.
 - **User Support:** Respond to user requests for support through ServiceNow ticketing system. Responsible for requests regarding software licenses, bugs, and program optimization for use on the clusters.
- **University of Chicago / Illinois Institute of Technology** Chicago, IL
Student Researcher *May 2019 - August 2019*
 - Developed and tested a novel task-based parallel runtime system in C/C++. Presented research in the ACM Student Research Competition at the conference *Supercomputing 2019*.
- **Ohio Supercomputer Center** Columbus, OH
Student Programmer *May 2018 - May 2019*
 - Worked with researchers at the Byrd Polar and Climate Research center to develop the SETSM project (github.com/setsmdveloper/SETSM). Applied knowledge of numerical computing to improve the speed of the researchers' C++ code by up to 15%. Wrote Bash scripts to benchmark the code on a variety of clusters in the XSEDE network. Delivered detailed performance reports for SETSM to researchers using it for the ArcticDEM project (pgc.umn.edu/data/arcticdem/), helping ensure continued funding.
- **Battelle Center for Mathematical Medicine** Columbus, OH
Student Researcher *August 2015 - September 2016*
 - Worked with Dr. William Ray to develop MATLAB and C++ implementations of RNA and protein sequence alignment algorithms. Trained new interns in the use of Linux and VirtualBox.

SCHOLARSHIPS AND AWARDS

- **Merit-Based Scholarships:** Maximus Scholarship; CIS Undergraduate Scholarship; Goldstein Mathematics Scholarship (all received while at The Ohio State University).
- **Dean's List:** Awarded in each semester that a student completes a minimum of 12 credit hours with a GPA of 3.5 or higher. Received all semesters while at The Ohio State University.
- **OSU RBG Math Competition:** Placed 2nd, 3rd, 2nd, and 2nd in 2014, 2015, 2016, and 2018.

PROGRAMMING SKILLS

- **Languages:** Experience with C/C++, Python, Javascript; Some familiarity with R, Haskell, Java, C#