Quinn Stratton

qgstratton@gmail.com (440) 789-2929

Education

- **M.S. Applied Mathematics**
  Illinois Institute of Technology: Summer 2020
- **B.S. Mathematics, B.S. Computer Science**
  Lewis University: Spring 2018

Selected Math Coursework: Functional Analysis, Graph Theory, Linear Optimization, Numerical Linear Algebra, Statistical Learning, Stochastic Processes
Selected CS Coursework: Approximation Algorithms, Computer Architecture, Compiler Construction, Design and Analysis of Algorithms, Object Oriented Programming

Research/Projects

- *Modeling DNA Self-Assembly Using Graph Theory* with Dr. Amanda Harsy at Lewis University: Fall 2017
  - A research project exploring the use of graph theory in modeling self-assembling structures made from DNA molecules; winner of *Outstanding Poster* award at the 2018 Joint Math Meetings Undergraduate Student Poster Session
- *STEM Undergraduate Research Experience (SURE)* with Dr. Ray Klump at Lewis University: Summer 2017
  - A research project involving the design, implementation, and benchmarking of two small-scale computer clusters; involved using code written by myself as well as standardized libraries (e.g. LAPACK)

Teaching/Tutoring

- Mathematics Tutor at Lewis Univeristy
  - Tutored students in courses spanning the undergraduate mathematics curriculum.
- Lab Assistant for Lewis University Computer Science and Cybersecurity Camp: Summer 2017
  - Responsible for helping students with programming excercises and general technical setup
- Peer Tutor in Mathematics at Joliet Junior College: Fall 2015 – Fall 2016
  - Tutored other students in courses including Calculus, Discrete Mathematics, Linear Algebra, Physics, and Differential Equations

Honors/Societies

- Society for Applied and Industrial Mathematics (SIAM); Pi Mu Epsilon; Kappa Mu Epsilon; Phi Theta Kappa

Technical Skills

- Languages
  Proficient: *Java*, *Python*, *C/C++*, LaTeX
  Familiar: *Haskell*, *Scheme*, *Octave*, *c#*
- Some experience with parallel computing, specifically using *MPI* and *CUDA*