

David S. Thomson

dthomson7@gatech.edu | (703) 851-8184

Education

Georgia Institute of Technology

August 2014 - Present

- B.S. in Computer Science, expected graduation: May 2018
- GPA: 3.84
- Important Courses: Data Structure and Algorithms, Organization and Programming, Calculus III

Experience and Activities

Co-op, Factory Automation Systems

May 2016 - May 2017

- Created Human-Machine Interface application to control a GE automated production line, worked with customer on site to test and install.
- Developed GUI application to organize and display data from 70+ employees' Google Calendars to help project managers plan effectively.
- Developed Windows service to periodically read data from a Programmable Logic Controller and store the data in a SQL database.
- Assisted with technical support

Undergraduate Teaching Assistant, Georgia Tech

January - May 2016

- Explained key concepts in data structures and algorithms to first and second year students
- Led weekly recitations to review course content
- Held office hours to help with homework implementations
- Proctored and graded tests and quizzes
- Wrote comprehensive unit tests to grade homework assignments

Robotics Conference Intern, Atlanta, GA

May 2015

- Association for Unmanned Vehicle Systems International (AUVSI)'s *Unmanned Systems North America* technical conference and trade show
- Supported event logistics and attendee registration for 6,000+ participants and 500+ corporate exhibitors
- Assisted with product demonstrations of drones and robotic vehicles

Treasurer, Georgia Tech Chamber Choir

May 2015 - Present

- Manage approximately \$5,000 in funds and set a budget for each fiscal year
- Maintain extensive financial records for the choir

Pi Epsilon Phi, Master of Rituals

November 2014 - Present

- Choral service fraternity
- Regularly perform service projects to help support the GT Choirs
- Role as Master of Rituals includes organizing events and ceremonies

Skills and Projects

Languages and Software

- C#, Git, Java, \LaTeX , Microsoft Office, Python, Visual Basic, VBA

Linear Algebra Computer Project

- Collaborative course project
- Robust implementation in Java of several linear algebra algorithms, including LU and QR factorization, and solving systems using the Jacobi and Gauss-Seidel iterative methods

TeXNotes Project

- Desktop application allowing user to easily create skeleton \LaTeX documents for note taking.
- Writes and compiles a note taking template based on the subject, date, optional packages selected by the user, etc.