

David S. Thomson

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Objective

To obtain an internship or co-op in the field of software development in order to enhance my programming skills and to develop professional experience in the software industry.

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

St. Stephens & St. Agnes School

September 2010 - May 2014

- College Preparatory High School
- Consistently achieved Head's List (95% average or higher)

Experience and Activities

Co-op, Factory Automation System

May 2016 - May 2017

- Created and installed Human-Machine Interface application for GE automated production line
- Developed Windows service to periodically read data from a Programmable Logic Controller and store the data in a SQL database.
- Developed GUI application to retrieve data from employees' Google Calendar and determine employees who are out of the office, looking for work, etc., to help project managers.

Undergraduate Teaching Assistant, Georgia Tech

January - May 2016

- TA for Data Structures and Algorithms course, Spring 2016 semester
- Lead weekly recitations and hold office hours to explain course concepts to students
- Proctor and grade tests and quizzes, as well as create and 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
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Skills and Projects

Languages and Software

- C#, Git, Java, L^AT_EX, Microsoft Office, Python, VBA, Visual Basic

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 L^AT_EX documents for note taking.
- Writes and compiles a note taking template based on the subject, date, optional packages selected by the user, etc.