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: 3.82
- 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 Activites

Undergraduate Teaching Assistant, Georgia Tech January 2016 - Present

- TA for Data Structures and Algorithms course, Spring 2016 semester
- Lead weekly recitations and hold office hours to explain course concepts to students
- Assist in grading tests and quizzes, as well as creating and grading 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, C#, Git, Java, LaTeX, Microsoft Office, Python, 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.