

## James Mullenbach

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### OBJECTIVE

Quick-learning, academically motivated Georgia Tech double major seeks software development opportunities.

### EDUCATION

#### Georgia Institute of Technology – Atlanta, GA

December 2016

Bachelor of Science in Physics

Bachelor of Science in Computer Science

- Threads: Modeling & Simulation and Systems & Architecture

GPA: 4.0

### EXPERIENCE

#### Fenton Cardiac Physics Laboratory

May 2014 - present

*Undergraduate Research Assistant*

- Developed experimental techniques for multiple nonlinear dynamics projects
- Gained familiarity with physics simulations in Java applets and SolidWorks software

#### Georgia Tech Office of Undergraduate Admissions

September 2013 - present

*Campus Tour Guide*

- Represented Georgia Tech to prospective students, parents, and visitors
- Tailored tours to accommodate unique needs and desires of each group

#### Curtis Cell Physics Laboratory

May 2013 – May 2014

*Undergraduate Research Assistant*

- Studied physical processes governing phagocytosis by white blood cells
- Gained skills in microscopy, cell handling, and MATLAB GUI programming and image processing

### SKILLS

Proficient in: Java, Python, MATLAB

Experience with: JavaScript, Java applets, MATLAB GUIs, SolidWorks, 3D printing, web design, LaTeX

Projects: See personal website (above), which links to my github account.

Relevant Coursework: Computational Physics, Data Structures and Algorithms, Objects and Design

### AWARDS

Delta Sigma Phi McKee Scholarship

2014

- Selected as one of 105 recipients out of over 5,000 undergraduate members

John and Isabel Campbell Scholarship

2012, 2013

Chick-fil-A Scholarship

2012

### ACTIVITIES/LEADERSHIP

Delta Sigma Phi Fraternity

January 2013 – present

- Philanthropy Chair

January 2014 – present

- Provided opportunities, led brothers in completing twice as many service hours as previous semester

Georgia Tech Drumline

June 2012 – January 2014

WREK Radio 91.1 FM

September 2012 - present

- Traffic Director

May 2013 – May 2014

- Managed and communicated with over 50 operators to maintain FCC compliance of transmission logs