

# Sylvia Necula

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## Objective

To obtain an internship in software development for Summer 2016.

## Education

**Georgia Institute of Technology**, Atlanta, GA

August 2014 – present

- Bachelor of Science in Biomedical Engineering
- Bachelor of Science in Computer Science
- GPA: 3.93
- Faculty Honors (Fall 2014, Fall 2015), Dean's List (Fall 2014-present)

Expected Graduation: May 2018

## Work Experience

Georgia Tech

January 2016 - present

*Undergraduate Teaching Assistant, CS 1331*

- Taught weekly discussion section to reinforce concepts taught during lecture
- Created homework assignments for students

UC Berkeley Computational Imaging Lab (Prof. Waller)

May 2015 - August 2015

*Undergraduate Research Intern*

- (Submitted to International Conference on Computational Photography) Nicholas Antipa, Ren Ng, Laura Waller, and Sylvia Necula. "Single-Shot Diffuser-Encoded Light Field Imaging."
- Built an Android app that shows a configurable, moving pattern of pixels to calibrate imaging system in the lab
- Wrote a ray tracing simulation in MATLAB, which is used to predict experimental results
- Used SourceTree and Bitbucket for code version control and collaboration

## Leadership

Biomedical Engineering Society

Georgia Institute of Technology

*Executive Board (2015-2016)*

*Philanthropy Committee (2014-2015)*

- Designed a day-long workshop to increase interest in engineering among local high schoolers
- Organized networking dinners for club members
- Started an annual 5K to benefit the John Joseph's Foundation

Biomedical Engineering Mentor Program

Georgia Institute of Technology

*Mentor (2015-2016)*

- Help incoming freshmen with class registration
- Answer questions about academics and how to get involved with research

## Skills

**Software:** MATLAB, Java, Android, SourceTree (git), Bitbucket, ANSYS Workbench, Microsoft Office