

# Joshua Vizslai

viszlai@gatech.edu • jviszlai.github.io • (678) 662-1158

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## OBJECTIVE:

To obtain a summer 2017 software engineering internship

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## EDUCATION:

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

June 2016—Present

*Bachelor of Science in Computer Science and Physics*

Expected Graduation: May 2020

- GPA: 4.0/4.0

- Zell Miller Scholarship

June 2016—Present

**Johns Creek High School**, Johns Creek, Georgia

August 2012—May 2016

- Dual Enrollment with Georgia Tech

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## SKILLS:

**Programming Languages:** Java, Python, some knowledge of HTML, C++

**Languages:** English (Native), French (Proficient)

**Environments:** OS X, Linux, Windows, IntelliJ, Android Studio

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## PROJECTS:

**Automated Vision Processing Software**

January 2016—April 2016

- Led a small group of three programmers to develop software that locates a goal for use in robotics
- Processed camera input on a Raspberry Pi and sent data to a main java-based robot control system
- Utilized the open source library OpenCV for Python in the main processing program
- Awarded the Innovation in Control award at a robotics competition

**HackPack**

June 2015—August 2015

- Worked in a small group of three to develop a wireless locking system for backpacks
- Focused on an android app developed in Java using Android Studio that controls the lock
- Utilized an Arduino Nano to control two solenoids that function as the locking mechanism
- Communicated between mobile android devices and the Arduino Nano through Bluetooth

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## EXPERIENCE:

**Gladiator Robotics**, Johns Creek, Georgia

August 2015—May 2016

*President of Programming Branch*

- Mentored new members on the basics of robotics programming in Java
- Taught new members about control systems and electronics
- Communicated the needs of the programming branch to the rest of the organization
- Oversaw programmers' involvement in three separate competitions throughout the year

**Georgia Governor's Honors Program**, Valdosta, Georgia

June 2015—July 2015

*Software Engineering Major and Mathematics Minor*

- Integrated different aspects of programming, hardware, and design into one project
- Developed video games and text processing algorithms using Python
- Learned about different methods of cryptology and their use in securing information today

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## LEADERSHIP:

**RoboJackets:** Member and mentor of a High School robotics team

August 2016—Present