

JOSHUA VISZLAI

✉ viszlai@gatech.edu 🌐 jviszlai.github.io 🐙 jviszlai

EDUCATION

Georgia Institute of Technology

Bachelor of Science Computer Science 2020

Bachelor of Science Physics 2020

GPA: 4.0/4.0

Zell Miller Scholarship

SKILLS

PROGRAMMING LANGUAGES: Java, Python, HTML, C++

LANGUAGES: English, French

ENVIRONMENTS: OS X, Linux, Windows, IntelliJ, Android Studio

EXPERIENCE

RoboJackets, *Outreach Assistant Project Manager*, Atlanta, Georgia

May 2017 - Present

Help lead the Outreach team to organize various projects that include:

- A high school robotics event at Georgia Tech with over a thousand students in attendance
- Educational sessions to promote robotics in high schools across the country
- Year-round mentoring of a high school robotics team

Georgia Governor's Honors Program, *Software Engineering Major*, Valdosta, Georgia

Jun 2015 - Jul 2015

- 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

PROJECTS

Automated Vision Processing Software

Jan 2016 - Apr 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

Jun 2015 - Aug 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

ACTIVITIES

Gladiator Robotics, *President of Programming*

Aug 2015 - May 2016

Led programmers' involvement in three separate competitions throughout the year