

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

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

EXPERIENCE

Gladiator Robotics, *President of Programming Branch*, Johns Creek, Georgia

Aug 2015 - May 2016

- 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, *Software Engineering Major and Mathematics Minor*, 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

ACTIVITIES

RoboJackets, *Member*

Aug 2016 - Current

Work with outreach as a mentor for a high school robotics team