JOSHUA VISZLAI

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

EDUCATION

Georgia Institute of Technology

Bachelor of Science Computer Science — Expected May 2020

Bachelor of Science Physics — Expected May 2020

GPA: 4.0/4.0

SKILLS

Programming Languages: Java, Python, C with some experience in Swift, Objective-C, HTML, CSS, C++

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

Languages: English (native), French (intermediate)

EXPERIENCE

Georgia Governor's Honors Program — Rome, Georgia

Instructor and Computer Technician — Jun 2018 – July 2018

- Help teach introductory programming and data structures courses
- Work with small team to handle various IT needs for the program
- Work with another instructor to teach an elective course on machine learning

CS2110 – Computer Organization and Programming — Atlanta, Georgia

Teaching Assistant — Jan 2018 – Present

- Teach weekly recitations for around 50 students
- Grade weekly homework and labs
- Hold weekly office hours

RoboJackets — Atlanta, Georgia

Outreach Assistant Project Manager — Aug 2016 – May 2017

- Organize FIRST Robotics Kickoff Event for Georgia, with attendance of over 1400
- Plan educational sessions to promote robotics in high schools across the country
- Mentor a high school robotics team throughout the year

PROJECTS

Alarming — May 2018 – Present

- Authored an alarm app for iOS using Swift/Xcode with some Objective-C
- Designed the app so that the user must get up and walk around to turn off the alarm
- Utilized the iPhone's built-in pedometer to track user movement

Automated Vision Processing Software — Jan 2016 – Apr 2016

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

Hackpack — Jun 2015 – Aug 2015

- Created a wireless locking system for backpacks on a team of three
- Authored an Android App using Java/Android Studio to control the lock via Bluetooth
- Utilized an Arduino Nano to control two solenoids that function as the lock