

# JONAH SUSSMAN

(770) 467-7419

EMAIL: [sussmanjonah@gmail.com](mailto:sussmanjonah@gmail.com)

WEB: [jonahsussman.github.io](http://jonahsussman.github.io)

## EDUCATION

---

*Expected to graduate May 2023*

**The University of Alabama, Tuscaloosa, Alabama**

**Majors:** Computer Science, Mathematics (Double Major)

**GPA:** 4.0

**Honors:** President's List (3 Semesters); Pi Mu Epsilon (Mathematics); Golden Key International

**Relevant Coursework:** Data Structures & Algorithms; Software Design & Engineering; Microcomputers; Assembly Programming; C++ Programming

## WORK AND RELEVANT EXPERIENCE

---

OCTOBER 2020 – PRESENT

**Research Assistant** - Digital Forensics and Control Systems Security Lab

College of Engineering Computer Science, The University of Alabama

- Interfaced with Tuscaloosa's traffic system, collated data and managed requests over a limited bandwidth network to present data to SUMO, a simulation to manage vehicles over road networks
- Researched detecting malware, specifically on the Android operating system, utilizing machine learning techniques

JUNE – JULY 2019

**Electronic Systems Lab Summer Intern** - Georgia Tech Research Institute, Georgia Tech

- Partnered with the US Air Force and the Museum of Aviation in Warner Robins, GA to design and construct a night-vision themed exhibit
- Designed a feasible electronic system for the project (PCBs, specific electrical components, computing hardware, etc...)
- Designed and coded, in Python, an interactive GUI demonstration of night vision for the exhibit
- Presented final design to university faculty, other intern teams, and the Museum of Aviation

## ACTIVITIES

---

AUGUST 2020 - PRESENT

- **University of Alabama ACM** - Competitive programming team
- **UA Astrobotics** - Junior Member, Software Sub-team

AUGUST 2019 - PRESENT

- **'Bama IEEE**

## SKILLS

---

**Languages:** C/C++, Java, JavaScript, Python, SQL, PIC24 Assembly

**Applications Created:** A tool to automatically analyze human speech and uncouple sentences into specific words; a Minimalist LISP interpreter; a Closure-based OOP language