JONAH SUSSMAN
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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