

JONAH SUSSMAN

Tuscaloosa, Alabama



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EDUCATION

The University of Alabama

May 2023

Tuscaloosa, AL

Bachelor of Science in Computer Science and Math

- GPA: 4.0/4.0
- Honors Student

EXPERIENCE

UA Digital Forensics and Control Systems Security Lab

Oct 2020 – Present

Research Assistant

Tuscaloosa, 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 applying machine learning to detecting malware – specifically in the domain of the Android operating system. Utilized VMWare, Android Studio, and TensorFlow 2.4

Georgia Tech Research Institute

Jun – Jul 2019

Electronic Systems Lab Summer Internship

Atlanta, Georgia

- 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 design for the project (PCBs, specific electrical components, computing hardware, et cetera...)
- Coded and designed an interactive GUI demonstration of night vision for the exhibit
- Completed trainings, including:
 - Basic Soldering for Electronics
 - PCB Layout and Fabrication via PCB Artist
 - Mechanical Assembly Tools and Techniques
 - Electronic Systems Integration and Testing
 - Basic Laboratory Safety
 - 3-D Printing Tools and Technique

SKILLS

- Fluent in a wide variety of languages including: C/C++, Java, JavaScript, Python, SQL
- Created many different applications such as:
 - Tool to automatically analyze human speech and separate the clip into words
 - Minimalist LISP interpreter
 - Closure-based OOP language
- Able to pick up new tasks quickly and efficiently, will not stop until task is properly done

ORGANIZATIONS

UA ACM

Aug 2020 – Present

Competitive programming team

UA Astrobotics

Aug 2020 – Present

Junior Member, Software Sub-team

Golden Key International

Feb 2020 – Present

'Bama IEEE

Aug 2019 – Present

COMMUNITY SERVICE

Alabama Action School Beautification Project

Matthews Elementary

Aug 2019

- Traveled to the greater Tuscaloosa Area to help renovate schools in need

Math Tutor and Aide

Sep 2018 – Apr 2019

McIntosh High School

- Tutored students that needed extra help in algebra, calculus, statistics and physics