JONAH SUSSMAN

Tuscaloosa, Alabama

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EDUCATION

The University of Alabama	May 2023	***McIntosh High School***	May 2019
Tuscaloosa, AL		*Peachtree City, GA*	
Bachelor of Science, Major: Comp. Sci. and Math			

- Fall 2020 GPA: 4.0/4.0
- Honors Student
- Member of the UA Competitive Programming team and Digital Forensics Lab

- Graduated with final GPA 4.313/4.0
- Member of the Math and Science Honor Societies
- National AP Scholar

EXPERIENCE

UA Digital Forensics and Control Systems Security Lab　　　　Oct 2020 – Present
Research Assistant　　　　　　　　　　　　　　　　　　　　*Tuscaloosa, Alabama*

- Researched applying machine learning to detecting malware – specifically in the domain of the Android operating system.

Georgia Tech Research Institute　　　　　　　　　　　　　　June – July 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

'Bama IEEE	Aug 2019 – Present
Golden Key International	Feb 2020 – Present
UA ACM *Competitive programming team*	Aug 2020 – Present
UA Astrobotics *Junior Member, Software Sub-team*	Aug 2020 – 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　　Sept 2018 – April 2019
McIntosh High School

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