

JONAH SUSSMAN

☎ Upon request
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👤 JonahSussman
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EDUCATION

The University of Alabama - Tuscaloosa, Alabama

EXPECTED GRADUATION MAY 2023

Majors - Computer Science, Mathematics (Double Major)

GPA - 4.0

Honors - President's and Dean's List (4 Semesters); Pi Mu Epsilon (Mathematics); Golden Key International

Relevant Coursework - Data Structures & Algorithms; Software Design & Engineering; Microcomputers; C++ Programming

WORK EXPERIENCE

Summer Intern - FiServ, Financial Risk Management Solutions

JUNE 2021 - AUGUST 2021

- Detected and remediated security vulnerabilities over all FRMS applications
- Created tool to notify server owners of outstanding vulnerabilities using .NET and SQLite, streamlining the process from hours to minutes

Research Assistant - Digital Forensics and Controls Systems Security Lab, The University of Alabama

OCTOBER 2020 - PRESENT

- Built a high-performance secure network to notify the Alabama Department of Transportation about Tuscaloosa's traffic network using Go and Docker
- Researched detecting malicious software on Android using TensorFlow, achieving an 85% positive detection rate

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

JUNE 2019 - AUGUST 2019

- Designed a night-vision themed exhibit for the Museum of Aviation in Warner Robins, Georgia
- Created PCBs and selected computing hardware to create a reliable electronic system
- Programmed an interactive demonstration of night vision in Python

ACTIVITIES

Alabama Rocketry - Programmer, Software Sub-team

AUGUST 2021 - PRESENT

University of Alabama ACM - Competitive Programmer

AUGUST 2020 - PRESENT

- 2nd Place ICPC South-east Division II, 2020

University of Alabama Astrobotics - Junior Member, Software sub-team

AUGUST 2020 - PRESENT

'Bama IEEE'

AUGUST 2019 - PRESENT

PROJECTS

- [software-renderer](#) - A 3D software renderer with custom SIMD linear algebra library (C++17)
- [aeditor](#) - A tool to isolate words in human speech using AI (C++17, Python 3)
- [closure-language](#) - A closure-based OOP language (Python 3)

SKILLS

Languages - C/C++, Go, Java, JavaScript, Python, SQL

Technologies - Docker, React, TensorFlow, Vue