

## Education

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### **Bachelor of Science in Information Technology**

University of South Alabama, Mobile, AL

- Maintained a 3.86 GPA.
- Achieved Dean's list for 2016, 2017, and 2019.
- Achieved President's list for 2018.
- Pursued a Networking Focus.

**Attended**  
*Fall 2016 – Anticipated Spring 2020*

### **High School Diploma**

Faith Academy, Mobile, AL

- Graduated with honors.
- Awarded a technical endorsement taking Cisco NetAcad, A+, and Python programming.
- Participated in the University of Alabama's Dual Enrollment program for HY 103 and HY 104 courses.

**Attended**  
*Fall 2012 – Spring 2016*

## Experience

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### **Information Security Office Intern**

5840 USA Drive South Mobile, AL 36688

- Gained experience with SANS, Spirion, SolarWinds, Splunk, and Nessus.
- Used Python to manipulate large csv files into readable reports.
- Used PowerShell and command-line to automate windows tasks.
- Drafted policies, procedures, and documentation for scripts.
- Maintained an ADA-compliant department website.
- Hardened new PCs into Kiosks.

**Employed**  
*Summer 2018 - Present*

### **Academic Computing Help Desk Intern**

5840 USA Drive South Mobile, AL 36688

- Assigned to temporarily assist this department by Information Security Office.
- Used PowerShell and command-line to automate windows tasks.
- Assisted callers with creating help tickets.
- Resolved help desk tickets.
- Performed new PC setup.
- Setup device encryption on laptops.

**Employed**  
*Summer 2018  
Summer 2019 - Present*

### **Telecommunication Intern**

5840 USA Drive South Mobile, AL 36688

- Assigned to temporarily assist this department by Information Security Office.
- Helped install security cameras and encoders.
- Helped map cameras locations and directions.
- Configured new security cameras.
- Helped test battery backups.
- Performed routine checks on cameras.
- Performed inventory checks.

**Employed**  
*Fall 2019 - Present*

**Jonathan Michael Foots**  
[jmfoots@gmail.com](mailto:jmfoots@gmail.com)  
<https://jmfoots.github.io/Portfolio/>

### **IUCRC Student Assistant**

150 Jaguar Drive Mobile, AL 36688

- Used Bash to validate files on a solid-state drive.
- Generated test data to run against the tool.
- Compared results before and after to verify changes.

**Employed**  
*Winter 2018 – Fall 2019*

### **Faith Academy Baseball Web Developer**

<https://jmfoots.github.io/Portfolio/PROJECTS/FAB/index.html>

- Developed custom website.
- Managed web hosting for client.
- Published seasonal information.

**Employed**  
*Fall 2017 – Spring 2018*

## **Projects**

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### **Unity Game “Loot Run”**

<https://jmfoots.github.io/Portfolio/PROJECTS/ULR/LootRunFinalReport.pdf>

- Created a game which player runs through dungeon avoiding traps to reach chest.
- Traps and chest location were randomized.
- Player was able to choose between three different maps.
- Used a variety of traps and each map favored a different trap.

**Active**  
*Fall 2019*

### **Three Bit Computer Simulation**

<https://jmfoots.github.io/Portfolio/PROJECTS/TBC/3BitComputer.pdf>

- Used Logisim Evolution to create a three-bit computer.
- Performed seven different bit-wise operations.
- Used three read/write registers and three read-only registers.
- Accepted input to two registers and places output in selected register.

**Active**  
*Fall 2019*

### **KioskKit PowerShell Tool**

<https://jmfoots.github.io/Portfolio/PROJECTS/KKP/KioskKitProject.pdf>

- Created an automation script to harden new PC into Kiosk.
- Configured standard user and admin user accounts.
- Configured Group Policy setting using CIS-CAT remediation kit.
- Configured Local Security Policy for machine usage notice.
- Configured Registry to automatically log on standard user.
- Configured Task Scheduler to re-apply auto logon.
- Installed required programs and windows updates.
- Tested tool on virtual machine before deploying.

**Active**  
*Fall 2019*

### **Simple Note Prototype Website**

**Active**  
*Spring 2019*

<https://jmfoots.github.io/Portfolio/PROJECTS/NAP/index.html>

- Proposed an application for review.
- Established usability and user experience goals for the application.
- Evaluated possible considerations and limitations of application.
- Drafted survey questions for user analysis.
- Created user personas to visualize user needs.
- Drew a low-fidelity prototype of the application's main tasks.
- Developed a high-fidelity prototype.
- Documented design decisions.
- Created a marketing review for application.

### **Blue Team Cybersecurity Website**

**Active**  
*Spring 2019*

<https://jmfoots.github.io/Portfolio/PROJECTS/BTC/index.html>

- Worked with team to create a multimedia project.
- Created a "CyberSecurity Awareness" message.
- Developed survey for student audience.
- Analyzed audience using survey feedback.
- Created website to convey message to audience.
- Presented project results in class.

### **Solid State Drive Validation Bash Tool**

**Active**  
*Winter 2018 – Fall 2019*

<https://jmfoots.github.io/Portfolio/PROJECTS/SSD/ProjectReport.pdf>

- Created an image of a drive.
- Created test data and directory trees.
- Simulated file alterations to test if changes can be detected.
- Setup partitions with test data.
- Gathered file metadata to show if file has changed in any way.
- Summarized partition information to show if it has changed.
- Compared metadata to show changes, deletions, or additions.

### **Faith Academy Baseball Website**

**Active**  
*Fall 2017 – Spring 2018*

<https://jmfoots.github.io/Portfolio/PROJECTS/FAB/index.html>

- Developed custom website.
- Optimized website for fast loading speed.
- Optimized website for mobile and desktop.
- Scripted most content to load dynamically from text files.

## **Organizations**

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### **Upsilon Pi Epsilon (UPE)**

Mobile, Alabama Chapter for the Computing and Information Disciplines

**Joined**  
*April 2019*