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# Aundre' Fredericks

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## Education

### University of Central Florida

*Bachelor of Science in Computer Engineering*

GPA: 3.1/4.0

Orlando, FL

Fall 2016-Spring 2022

Honors: Spark Award (MITRE), NACME, AT&T Wireless Endowed, Daniel D. Hammond

Leadership: Texas Instruments Campus Ambassador, NACME Student Mentor, Research Project Lead

## Skills

Circuit Analysis, MS Office, C, Java, OOP, Python, HTML, JavaScript, CSS, Mongo, Assembly, SQL, Spotfire, LabVIEW, Active Directory, SCCM, PHP, Visual Studio Code, Docker, Linux, Jira, Galileo, Confluence, Git

## Professional Experience

### University of Central Florida

Orlando, FL

*Systems Administration Support*

September 2017-March 2019

- Deployed user workstations and assigned IP addresses
- Granted users access to system privileges using Active Directory
- Solved user issues remotely and on-site through learned troubleshooting techniques
- Installed software packages onto user systems using SCCM

### MITRE Corporation

Orlando, FL

*Training and Simulation Software Engineering Intern*

March 2019-May 2020

- Researched web frameworks and provided a recommendation based on which framework best suited creating a training tutorial from scratch
- Located and communicated with potential contractors for simulated field training equipment
- Actively participated and contributed to weekly scrum meetings
- Constructed prototype website that determines interoperability levels based on questions that users answered

### Texas Instruments

Dallas, TX

*Quality Engineering Intern*

May 2020–August 2020

- Improved automation python script used by project managers to pre-audit documents before annual audit
- Documented instructions for project managers to run script locally
- Increased functionality of beta web app using React.js components
- stuff

### Texas Instruments

Dallas, TX

*Customer Quality Engineering Intern*

May 2021-August 2021

- Developed python script to extract relevant lab data and generate a report
- Configured Spotfire files to reflect desired visualizations and sent reports using built-in automation tool
- Fixed broken SQL links in Spotfire by updating SQL commands
- Created documentation for sending reports using built-in automation tool

## Technical Projects

### DFMEA Python Script

- Planned an approach to resolving outstanding issues to current script
- Researched best practices and implemented them to resolve issues
- Documented how to run script on excel files for project managers before departure
- Presented progress on script to program managers and highlighted new issues to consider

### Website Development

- Used bootstrap to implement navigation and tables (Implemented navigation tables using bootstrap)
- Reflected customer changes as necessary in timely fashion
- Documented comments for script and code explaining functions
- Generated test data for back-end integration

### Database Integration

- Created and tested JSON documents on API endpoints
- Employed NoSQL techniques to create a working schema
- Ensured the database was accessible via Mongo server
- Migrated production data once testing was completed