

# Lawton Mizell GPA 3.5

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## EXPERIENCE

**CENTER OF DIGITAL HUMANITIES, UNIVERSITY OF SOUTH CAROLINA**  
*Software Development Intern*

Columbia, SC  
September 2016 – April 2018

- Maintained a website for the Center of Digital Humanities using the Python Django web framework.
- Wrote a script to reprocess all 8000+ digitized historical letters and fix spacing issues that occurred during the transfer from xml to plain-text.
- Created an image viewer which allowed users to browser historical images pulled from a database.
- Created a fuzzy search feature for the website which allowed the user to conduct partial word matching or whole word matching on keywords.

**SPAWAR, SPACE AND NAVAL WARFARE SYSTEMS COMMAND**  
*Data Engineer Intern, Secret Security Clearance*

Charleston, SC  
May 2017 – August 2017

- In an R&D lab, provided design and programming support for a data analytics service called MetaGNOME.
- Using Clojure and OpenCV wrote an experimental face detection feature for image analysis in which a user could upload a photo and MetaGNOME would return meta-data about the image, whether faces were detected, number of faces detected, and it would capture the detected face and store it in a separate image.
- Wrote functions in Clojure to search through an extracted text block and return matches for phone numbers, emails addresses, zip codes, web addresses and document classification.
- In Reactjs, created a form for the application in which users can provide feedback that on submission would send a message to our team HipChat showing us the information submitted.

**SPAWAR, SPACE AND NAVAL WARFARE SYSTEMS COMMAND**  
*Software Engineering Intern, Secret Security Clearance*

Charleston, SC  
May 2016 – August 2016

- In an Agile Development process provided design and programming support for a web based GIS.
- Created a search feature for the application which allowed the user to search by text and/or file type.
- Created a map configuration within the application settings which allowed the user to change map services (e.g. google maps or OpenLayers).
- Applied security enhancements to harden the application from potential adversaries.
- Conducted minor changes and bug fixes.

**SPAWAR, SPACE AND NAVAL WARFARE SYSTEMS COMMAND**  
*Security Engineering Intern*

Charleston, SC  
May 2015 – August 2015

- Compiled an accessible and available library of secure programming standards and software quality standards.
- Conducted state of the art assessment techniques for C/C++ code using static analysis tools.
- Conducted and completed multiple software assessments and logged vulnerability finders for software defined radio code.

## EDUCATION

**UNIVERSITY OF SOUTH CAROLINA, SCHOOL OF ENGINEERING AND COMPUTING**  
*Bachelor of Science in Computer Science*

Columbia, SC  
May 2018

## SKILLS

**PROGRAMMING LANGUAGES** – Python, Clojure, C++, Java, ReactJS, Javascript, HTML, CSS

**SOFTWARE** – JetBrains IDE ( PyCharm, IntelliJ ), Eclipse, STS, Git, Bitbucket, Jira, Trello, VirtualBox, Vmware vSphere, VM workstation

**OPERATING SYSTEMS** – Windows, Linux:Ubuntu/Mint, CentOS, Arch, Gentoo, Kali

**DATABASES** – MySQL