

Cole Silvernail

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Education

University of Central Florida, Orlando, FL
Bachelor of Science, Computer Science, GPA: 3.07

August 2016 - April 2019

Florida State University, Tallahassee, FL
Bachelor of Science, Finance
Minor: Urban and Regional Planning
Certificate in Urban and Regional Planning

April 2012

Eastern Florida State College, Melbourne, FL
Firefighter 1 Standards and Firefighter 2 Standards
Emergency Medical Technician Certificate

August - November 2013
May-August 2013

Relevant Coursework

- Object Oriented Programming
- Computer Science I & II
- Security in Computing
- Database Systems
- Artificial Intelligence
- Web and User Experience
- Systems Software
- Discrete Structures
- Programming Languages
- Operating Systems

Projects

Team Based Event Manager (Spring 2018) – Users can sign up, join a team, and create events for teams

- Helped build front-end user experience using HTML and Bootstrap 4
- Designed and created back-end MySQL database
- Advised on LAMP stack technologies

Library of Congress Article Parser and Web App (Spring 2019) – The program downloads XML files of old newspapers from Library of Congress then parses them into articles and saves them to a database. Users can see and search for specific articles.

- Designed the database that stores the articles and their metadata as well as users' account details
- Built the web app's search engine using the Apache Solr platform
- Constructed parts of the website with React and Laravel

Personal Website – colesilvernail.com

- Built the website using HTML, CSS, and Bootstrap 4

Experience

Programming: C, Java, Python, SQL, MySQL, Git, MATLAB, Bash, and HTML

OS: Linux, Red Hat Enterprise Linux, CentOS, and Windows 10

Alstom

Melbourne, FL

Software Intern

June 2018 – August 2018

- Wrote Bash scripts to automate test software
- Created programs which installed drivers and the company's embedded software on Linux modules for customers
- Designed and administered tests for quality control

Florida Department of Law Enforcement

Tallahassee, FL

OPS Clerk Specialist

November 2011 - April 2012

- Entrusted with handling and processing confidential information
- Input data into various government databases
- Search government and criminal databases for cases to ensure they contain the most updated information
- Updated State of Florida criminal databases