

Donnell Muse

Software Engineer

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</> Skills

Languages

Python
Java
C/C++/C#
JavaScript

Web

HTML/HTML 5
CSS/SCSS
Django/Flask
AJAX/jQuery

Databases

MySQL
PostgreSQL
MariaDB
MongoDB

Data/ML

TensorFlow
Pandas
SciKit
SciPy

📁 Experience

2018 Full-Stack Developer

HomeBase, Center for Common Concerns, San Francisco, CA

Responsibilities includes:

- ▶ Provided development, maintenance and support of HomeBase web applications, including PRESTO — internal evaluation and scoring web application — and the San Francisco Coordinated Entry Referral System
- ▶ Maintain, upgrade and improve HB website and other communication platforms
- ▶ Assist project manager in the execution of the management plan for assigned project
- ▶ Oversee 6-month HB website rebuild, coordinating all plans and tasks to ensure completion by January 1, 2019 deadline. Beginning development plan for of PRESTO upgrade project

JavaScript MySQL HTML/HTML5 CSS jQuery

2017 Undergraduate Researcher

University of Maryland, Baltimore County (UMBC), Baltimore, MD

NSF funded research project with Dr. Charles Nicholas examining numerical methods in malware analysis to classify malware data; work done will contribute to an academic publication. Developed using python with a specialization in documentation, data representation and data visualization

Python NumPy TensorFlow JSON Data Visualization Data Classification Version Control

2013–2016 IT Systems Intern

Montgomery County Public Schools, Rockville, MD

Worked academic breaks during the annual technology modernization project as a high ranked intern under the county's senior IT Systems Engineer. Responsibilities included managing and overseeing network and hardware during transition, using and developing skills such as:

- ▶ Deadline-driven large-scale project experience (50+ schools in 1.5 months)
- ▶ Communication and team-based work in a professional environment
- ▶ Team-based project experience
- ▶ Team leadership (team lead of 8)

Bash Altiris Windows XP/7/8/10 Server Management Software/Hardware Maintenance

2015 Student Developer

Next Century Corporation, Columbia, MD

Worked with Next Century in partnership with UMBC's Programming Languages course (CMSC 331) to rebuild the outdated student advising process for 200+ students moving to a web app from paper and bulletin boards. Developed using HTML, CSS, PHP with MySQL database

HTML CSS PHP MySQL MariaDB

2013–2017 | **University of Maryland, Baltimore County (UMBC)** Baltimore, MD
Bachelor of Science, Computer Science
Scholarships: NSA Scholar/Meyerhoff Affiliate (2013 – 2016)
Affiliations: National Society of Black Engineers (NSBE) (2015 – 2017)

Projects

Open Oakland: OakCrime

Open Source

OakCrime provides access and visualization of data from the Oakland Police Department (OPD) to increase transparency and understanding of crime in Oakland by offering carefully curated data for public consumption and analysis. Focus on webpage and database improvements

Python Django PostgreSQL PostGIS Docker AWS

Portfolio Website

Personal

First version of my personal web page. Designed and developed from the ground up with a conscious effort to avoid using superfluous frameworks

HTML CSS & SCSS JavaScript JSON Django Jekyll

Speedlogger

Personal

A program devised to record my home network's download/upload speeds and ping at set intervals, pushing output to a csv; possessed capability to tweet when speed below set threshold

Python JSON Twitter API

SoCLI

Open Source

Add command-line interface for StackOverflow. Contribution to project includes bug fixes, documentation updates and improving availability to MacOS

Python MacPorts Documentation

NetBuz

Academic, UMBC

A web application project for Software Engineering course with the purpose of providing long-term, team-based project experience while simulating the software development life cycle. Practiced skills include front-end and back-end development and team communication and collaboration

HTML CSS PHP MySQL MariaDB JavaScript REST API

UMBC CSEE Advising Project

Academic

A more advanced second version of the department advising update project, using more advanced approaches, concepts, and technologies

HTML CSS PHP MySQL JavaScript Bootstrap jQuery