

# Mason Garrett

## Software Engineer

An independent and self-motivated graduate seeking a full-time position in the field of software engineering.

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## PERSONAL PROJECTS

### Personal Portfolio Website (mason-garrett.com)

- Developed an interactive and responsive website using HTML, CSS and JavaScript.
- Integrated a secure Flask login system with password hashing and utilized a MySQL database for efficient storage and retrieval of user data.
- Used AWS CodePipeline from GitHub to Elastic Beanstalk to streamline website deployment and automate publishing.

### Military Inventory System

- Developed a secure and efficient REST API for a weapon log-in system using ASP.NET Core 7.0, Entity Framework and SQL Server.
- Integrated Swagger to build and document the REST API, providing clear and comprehensive documentation for seamless integration with frontend applications.
- Utilized Git through VS Code for effective source control management, ensuring version control, collaboration, and streamlined development workflows for the REST API.

### Login System

- Implemented a secure and efficient authentication mechanism by creating a login system using Django, Python, and SQLite database.
- Developed an intuitive and user-friendly front-end interface using HTML, CSS and JavaScript to enhance the user experience.
- Built aesthetically pleasing login, sign out, and user registration pages, focusing on usability and visual appeal.



## WORK EXPERIENCE

### Game Developer Intern MoonRift Entertainment

05/2022 - 07/2022

Remote

#### Achievements

- Demonstrated leadership and management skills by guiding a team of 6 interns in the successful development of a 3D game in Unity using C#.
- Efficiently managed project tasks and ensured timely completion of objectives by creating and utilizing a Trello board to monitor progress and maintain project workflow.
- Delivered an engaging and comprehensive project overview to a substantial audience at the end of a 6-week project timeframe.



## CERTIFICATES

Microsoft Certified: Azure Fundamentals (06/2023)

Meta: Introduction to Back-End Development (07/2023)

Meta: Coding Interview Preparation (07/2023)



## EDUCATION

### BS: Computer Science East Carolina University

08/2019 - 05/2023

Greenville, NC

#### Courses

- Software Engineering I & II
- Algorithmic Problem Solving
- Discrete Structures
- Algorithms and Data Structures
- Object-Oriented Data Structures
- Design/Analysis of Algorithms
- Web Applications
- Database Management Systems
- Cloud Computing



## SKILLS

Python

Java

C#

HTML

CSS

JavaScript

Bootstrap

Django

Flask

React

.NET Core

Entity Framework

Swagger

MySQL

PostgreSQL

SQLite

SSMS

VS Code

Visual Studio

Git



## CURRENT INTERESTS

Completing Meta Back-End Developer Learning Path

Developing WordPress Website (masongarrett.com)

Completing React Front-End for Military Inventory System