Jamari Morrison

Home: 1603 Thunderbird Ln; Belleville, IL 62221
School: 5500 Wabash Ave, PO Box 2520; Terre Haute, IN 47803
Website: www.jamari.tech
618-741-6714
morrisjj@rose-hulman.edu

EDUCATION:

Rose-Hulman Institute of Technology — *Bachelor's of Science, Software Engineering - GPA 3.8/4*   May 2023

Related courses: CSSE 374: Software Design, CSSE230: Data Structures and Algorithms, CSSE333 Database Systems

Homeschool, *High School Diploma - GPA 3.95/4*   Aug 2015 - Jul 2019

SKILLS:

- Java software development
- Relational Database Design
- Git version control
- HTML/CSS/JavaScript

- Python software development
- SQL
- React
- CompTIA Security+ Certification

EXPERIENCE:

Leidos Software Engineering Intern - Belleville, IL   Jun 2020 - Present

- Sped up excel data import by 30 minutes by using **Java** and **Python** to create a CSV export of compliance reports
- Increased operator efficiency by writing bash scripts for MongoDB and Postgres
- Wrote internal documentation for our Itential, Jenkins, and NorthStar deployments
- Minimized network vulnerabilities by conducting compliance reviews of servers and application deployments
- Used **git** to coordinate code versioning with team members
- Ran code reviews and scans using Checkmarx

Robotics Team Programming Lead - Mascoutah, IL   Aug 2016 - May 2019

- Managed the development of **Java** code for the team's competition robot
- Taught over 120 school students about STEM in camps and help sessions
- Used with OpenCV and Tensorflow libraries to create object recognition code
- Wrote technical documentation and guides for common processes

PROJECTS:

LEGO Database Project   Jan 2021

- Designed a **T-SQL** database to store hundreds of thousands of LEGO products, as well as user information.
- Built a **Python** web scraper to collect over 500,000 rows of database information from various sites.
- Created a web app for the database suing a **React** frontend that connects to a **Node/Express** backend, which connects to the database.
- Publicly deployed the app using an **AWS Relational Database Service** instance for the database and **Heroku** for the web app. Available through my website or at **https://lego-inventory-tracker.herokuapp.com**

Portfolio Website   Sept 2020

- Increased my work's visibility by building a website using **HTML/CSS/JavaScript** for the front end with **Python**/**Django** for the back end
- Built an automated emailing system using **Python**, allowing website users to contact me directly from the site
- Hosted my website with **Heroku**, and it can be found at: **www.jamari.tech**

Threes! AI   Dec 2020

- Built a Threes! clone game from scratch using **React.**
- Outperformed human players by creating an AI that uses the **expectimax** algorithm to play the game
- The AI reaches the 10th tile (768) tile, while human players average the 7th (96) or 8th tile (192) on this build