Inti Espejo Guillen

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EDUCATION

Virginia Tech   Blacksburg, VA
Bachelor of Science in Computer Science   *Aug. 2020 – May 2023*
Coursework: *Data Structures and Algorithms, Computer Systems, Software Engineering Capstone, Human Computer Interaction, Computer Organization, Data Analytics & Visualization*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C, C++, SQL, Kotlin, HTML, CSS
Frameworks: Angular, Spring, Flask, Express, React, Node.js, JUnit, pytest
Tools: MongoDB, Git, Docker, Linux, Postman, Maven, Crucible, Jira, Figma, VS Code, IntelliJ, Eclipse, PyCharm
Libraries: pandas, NumPy, Matplotlib, Sklearn, Seaborn, Jsoup

EXPERIENCE

Software Developer Intern   Nov. 2022 – Present
Maximus   *Remote*
- Contributed to the development of full-stack web applications using Angular, JavaScript, TypeScript, HTML, and CSS to deliver high-quality user experiences
- Utilized HTTP requests to communicate with a Java backend that used the Spring Framework
- Developed Java-based REST APIs and controllers for seamless integration with Angular front-end
- Enhanced error message handling by implementing caching techniques to improve performance and reduce server load, delivering a faster and more reliable web application
- Practiced version control using Git, ensuring proper documentation and efficient code collaboration with others

Software Engineer Intern   June 2022 – Aug. 2022
Raytheon Technologies   *Fulton, MD*
- Developed and maintained features for a Java-based command and control application
- Utilized Jira to track reported bugs and implement solutions to address issues in a timely manner
- Conducted extensive unit testing using JUnit and Jacoco to validate the functionality of software components, ensuring high-quality code
- Participated in code reviews using Crucible, identifying code defects and providing constructive feedback to enhance overall code quality and maintainability
- Collaborated in an agile development environment with daily stand-up meetings and retrospective meetings to ensure project progress

PROJECTS

Goal Tracker | *Python, Flask, JavaScript, Angular, MongoDB*   Jan. 2023 – Feb. 2023
- Developed a web application using Python's Flask framework for the backend and Angular for the frontend
- Implemented MongoDB as the database to store user data and track progress towards goals
- Enabled users to create new goals, set deadlines, and track progress, with the ability to view their progress towards goals over time
- Created REST API endpoints in the backend to allow users to create, update, and delete goals
- Designed a service in the frontend to handle the API endpoints and manage user interactions with the platform
- Implemented basic data analytics to track milestones, time spent, and overall success rate

Home Mortgage Calculator | *Java, Kotlin, Git*   Aug. 2022 – Sep. 2022
- Designed the UI for an Android app using Figma, creating wireframes and a prototype to guide development
- Developed the app using Kotlin and Java, implementing features such as data input for mortgage loan information, calculation of monthly payments, and display of an amortization schedule
- Utilized the Model-View-Controller (MVC) design pattern to organize the app's logic, user interface, and data models for easier maintenance and scalability

Personal Website | *JavaScript, HTML, and CSS*   June 2022 – Aug. 2022
- Used JavaScript, HTML and CSS to create my personal website
  http://intiespejo.com