Mary Clay

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EDUCATION

Temple University, College of Science and Technology   August 2019 – May 2023
Philadelphia, PA
Bachelor of Science in Computer Science
3.93 Cumulative GPA | Magna Cum Laude | Distinction in Major | Honors Program

TECHNICAL SKILLS

Languages: Python (Pandas, Sklearn, Matplotlib, Django, etc.), Java, C, Javascript (React), HTML, CSS
Software: Git, Jira, VSCode, Intellij, Eclipse, JupyterLab, Jupyter Notebook
Skills: Scrum, TDD, Unit Testing, Agile Methodology, UI Design, Cybersecurity principles, Threat Modeling

TECHNICAL PROJECTS

Study Buddy [studybuddy.life]   May 2023
Progressive Web Application
- Developed a PWA, built using a React.js frontend with a Django backend and SQLite database.
- The application allows users to care for and level up a virtual pet by completing self-created tasks or tasks imported from their Canvas (LMS) account.
- Gained experience working in an agile team environment.

Book Recommendation System   November 2022
Android Application
- Collaborated with a small group to develop a Kotlin-based application that utilizes machine learning algorithms in Python to recommend books to users based on their previously enjoyed reads.

WORK EXPERIENCE

Undergraduate Teaching Assistant   January 2022 – May 2023
Temple University, Philadelphia, PA
- Graded assignments and provided support for students enrolled in Software Security while expanding knowledge of the cybersecurity field.
- The course aims to familiarize students with common vulnerabilities that exist in developed code, and teach them to learn to avoid behaviors that lead to unsecure code.
- Other topics include threat modeling and learning how to operate analysis tools to detect and correct vulnerabilities early in the software development life cycle.

Undergraduate Research Assistant   May 2021 – August 2021
Temple University, Philadelphia, PA
- Contributed to a research project aimed at developing personalized virtual job assistants to prepare individuals with neurodevelopmental disabilities for entry level IT jobs.
- Was responsible for identifying valuable insights from participant interviews and data analysis in Python and Jupyter Notebook.