

Michelle Curry

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Skills

Programming: Java, C#, Python, C++, Javascript

Web & Database: HTML, React, CSS, MySQL

Frameworks: ReactJS, Xamarin

Tech: Git, Visual Studio, Eclipse, VSCode

Education

Towson University

B.S. in Computer Science,
3.69 GPA

Aug. 2020–Dec. 2023

Projects

WSSC SQL Project:

- Collaborated on a team project to develop a SQL database and interface for real-life business applications.
- Utilized MySQL and JavaSwing for database implementation and user interface development.
- Led modeling of Entity-Relationship Diagram (ERD) and schema definition.

Code Parser:

- Engineered a Code Parser capable of generating parse trees from grammatical inputs.
- Implemented a robust algorithm for analyzing and interpreting grammatical structures.

Text-Based Adventure Game:

- Designed and implemented a room in a text-based adventure game using object-oriented design patterns.

Pacman Search:

- Developed a Pacman agent using DFS, BFS, and A* search algorithms for optimal maze navigation and food collection.

Freecol Refactor:

- Contributed to the refactoring of Freecol, an open-source game, implementing quality assurance techniques.

Salon Mobile App:

- Employed Agile methodology for efficient development of a Xamarin-based mobile app.
- Collaborated in iterative sprints, ensuring flexibility and adaptability to changing requirements.

Instant Messenger:

- Built a client-server based messenger, enabling real-time communication using sockets and TCP connections.

Relevant Coursework

Software Engineering:

- Led a team in planning and developing a mobile app from start to finish, applying Agile methodology.

Object-Oriented Design & Programming:

- Studied and applied object-oriented design patterns to enhance software modularity and maintainability.

Database Management Systems:

- Learned principles of database management, including design, implementation, and querying of SQL databases.

Design & Analysis of Algorithms:

- Analyzed algorithm complexity and studied common design paradigms.

Software Quality Assurance & Testing:

- Studied and applied technical and practical methods and tools to test and evaluate software quality assurance.

Work Experience

CIS Department, Towson University

Student Advisor

Aug. 2022–Jan. 2024

- Guided students in planning their classes and semesters, providing valuable insights into course selection.
- Assisted incoming transfer students with enrollment procedures, ensuring a smooth transition into the department.