Ruby Xu

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Education

Drexel University, College of Computing and Informatics   Philadelphia, PA
Bachelor of Science in Computer Science   Expected Graduation: *June 2028*
Major: *Computer Science*   GPA: *3.66*
Relevant Coursework: *Data Structures & Algorithms (Python), Advance Programing Tools &Technique (Bash, C), Math Foundation of Computer Science (Racket), Computer Informatics (Agile, Python), Data Structure (C), Software Engineering (Java)*
Honors and Awards: *Regents' and Chancellor's Scholarship Drexel Scholarship (2023 – 2024)*

Experience

Girls Who Code Summer Program   Philadelphia, PA
Developer | Replit, HTML, CSS, JavaScript   July 2021 – August 2021
- Designed and developed personalized websites for team members using HTML and CSS.
- Built an interactive website on Replit that uses JavaScript to assess user personality traits.
- Created and maintained comprehensive documentation to ensure code clarity and readability for instructors.

Project Experience

Movie Review Platform   Philadelphia, PA
Developer | Node.js, HTML, CSS, JavaScript   June 2024 – September 2024
- Developed a movie review platform with Node.js, Express, and MongoDB to allow users to post, update, and delete movie reviews.
- Integrated The Movie Database API to dynamically display popular movies and enable keyword-based search functionality.
- Implemented a front-end interface using HTML, CSS, and JavaScript for user-friendly interactions, review submissions, and CRUD functionality on movie reviews.

Pet Simulator   Philadelphia, PA
Developer | Python   January 2024 – June 2024
- Developed an interactive pet simulator game using object-oriented programming principles to manage pet behaviors and interactions.
- Applied Agile methodology to iteratively design and develop the game.
- Utilized GitLab for version control, including push/pull operations and documentation, to streamline
- collaboration and workflow efficiency.

Employer Management Platform   Philadelphia, PA
Developer | Node.js, HTML, ReactJS, Vite, Spring Boot, MySQL, CSS, JavaScript   *February* 2025 – Present
- Implemented CRUD operations for managing employee data
- Utilizing Spring Data JPA for database interactions.
- Developed RESTful APIs using Spring Boot.
- Created a responsive user interface with ReactJS and Vite.
- Handled exceptions and validations in the back end.

Technical Skills

Analytical Tools: *Excel, MS Office Suite*
Programming Languages: *Python, C, JavaScript, Racket, Bash, Java*
Developer Tools: *Visual Studio, Gitlab, GitHub, Thonny, IntelliJ*
Development Process: *Agile Methodology, Stand-up Meeting, Code Reviews*
Operating systems: *Windows, Linux, macOS*
Languages: *Chinese (fluent)*
Framework: *Node.js, Spring Boot*