

William Riser

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Available May - December 2025 | Local: Boston | Open to Relocation

Education

Northeastern University Boston, MA
Khoury College of Computer Sciences, 3.58/4.0 GPA September 2023 - Present
Candidate for a Bachelor of Science in Computer Science, Concentration in Artificial Intelligence Expected May 2027
Relevant Coursework: Object Oriented Design, Algorithms, Machine Learning & Data Mining 1, Artificial Intelligence, Human Computer Interaction, Database Design, Mathematics of Data Models, Discrete Structures, Foundations of Cybersecurity, Fundamentals of Computer Science 1 & 2

Technical Skills

Languages: Java, Kotlin, Python, JavaScript, TypeScript, SQL, HTML, CSS, R
Frameworks & Libraries: React, Node.js, Express, JUnit, Tailwind CSS, Flask, Swing, Jetpack Compose
Databases: SQLite, MongoDB, Redis, PostgreSQL, MySQL
Tools: Git, GitHub, VS Code, IntelliJ Idea, LaTeX, Docker, RStudio, Android Studio, Windows, MacOS, Linux
AI/ML: NumPy, ggplot2, SciPy, PyTorch, Matplotlib

Projects

- ThreeTrios** | Java, Swing, JUnit October 2024
- Created a turn-based card game using Object-Oriented Programming principles and the MVC architecture
 - Applied Command, Callback, and Builder design patterns to enhance code readability and maintainability
 - Wrote comprehensive JUnit tests with 100% coverage to ensure robust functionality and smooth integration
- EasyClassPlanner** | React, Rust, Typescript May 2024
- Employed Recursive Backtracking on a Rust backend to generate ideal schedules given a list of classes and available times in milliseconds
 - Implemented a custom calendar UI that dynamically scales to the schedule's class timings
 - Integrated analytics to track usage patterns, enabling data-driven decisions to refine key features
- X Finance (X Developer Challenge)** | Python, Flask, React, X API, X.ai API April 2024
- Collaborated with three teammates to build a web application leveraging Tweet data, X.ai's Grok LLM, and stock price history to analyze and generate insights on stock trends
 - Scrapes and processes 5000+ tweets containing AI generated hashtags relevant to the related stock
 - Integrated a dynamic front-end to display sentiment analysis and historical price trends of a stock
- LinguaLink** | WebRTC, Firebase, React March 2024
- Developed language learning website enabling users to select a target language and engage in real-time video and text chat using WebRTC and Firebase
 - Integrated AI powered chat functionality supporting 40+ target languages through Google's Gemini API
 - Achieved 2nd Place in a 48-hour hackathon with 120+ participants
- Basketball Scouting** | SQLite, Express, React March 2024
- Designed a full-stack application allowing users to create profiles, search for basketball players, and view detailed player statistics using React, Express, Node.js, and SQLite
 - Implemented full CRUD operations for seamless database interaction and efficient profile management

Work Experience

Apprentice Technician April 2024 - August 2024
Mercedes Specialist of Oxford Oxford, MS

- Performed repairs on 100+ Mercedes-Benz, AMG, and Porsche vehicles ensuring high-quality standards
- Diagnosed mechanical and electronic issues using XENTRY diagnostic software
- Efficiently completed services within tight deadlines, ensuring customer schedules were consistently met

Interests

Travel, French Language, Baseball, Pickleball, Cars, New Orleans Saints, San Antonio Spurs