

# William Riser

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Available May - December 2025 for co-op in Boston, San Francisco, New York, Seattle, & Austin

## Education

**Northeastern University**, Boston, MA | Khoury College of Computer Sciences September 2023 - Present  
Candidate for a Bachelor of Science in Computer Science - Expected Graduation 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
- Concentration in Artificial Intelligence
- 3.58/4.0 GPA, Dean's List

**Oxford High School**, Oxford, MS August 2019 - May 2023

- Activities - Technology Student Association Officer, Software Development Student Ambassador

## Technical Skills

- **Languages** Java | Kotlin | Python | JavaScript | TypeScript | SQL | HTML | CSS
- **Frameworks & Libraries** React | Node.js | Express | JUnit | TailwindCSS | Flask | NumPy
- **Databases** SQLite | MongoDB | Redis
- **Tools** Git | GitHub | VS Code | IntelliJ Idea | LaTeX | Docker
- **Operating Systems** Windows | MacOS | Linux

## Projects

**ThreeTrios** | Java, Swing, JUnit October 2024

- Designed and developed 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, scalability, and maintainability
- Wrote comprehensive JUnit tests to ensure robust functionality and smooth integration

**EasyClassPlanner** | TypeScript, React, Rust May 2024

- Developed a web application employing Recursive Backtracking on a Rust backend to generate ideal schedules given a list of classes and available times in <1 second
- Designed and implemented a custom calendar UI that dynamically scales to the schedule's class timings

**X Finance (X Developer Challenge)** | Python, TypeScript, React, X API, X.ai API April 2024

- Collaborated with a team of three others 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 5000+ tweets containing AI generated hashtags relevant to the related stock

**LinguaLink** | JavaScript, React, Firebase, WebRTC March 2024

- Created a web application that allows user to select target language then real time video and text chat with another user in that language
- 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

## 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
- Utilized XENTRY diagnostic software to identify mechanical and electronic issues

## Interests

Travel, French Language, Pickleball, Basketball, Football, Cars