Richard Trinh

richardtrinh452@gmail.com | linkedin.com/in/rtrinh760 | rtrinh760.github.io/portfolio/

EDUCATION

Colby College   Waterville, ME
Bachelor of Arts in Computer Science   May 2026
GPA: 3.6
Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Data Analysis and Visualization, Computer Organization, Computer Vision, Linear Algebra

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, TypeScript, C, C++, Golang, SQL
Frameworks/Tools: React, Node.js, Next.js, .NET, Flask, Docker, Git, Postman

EXPERIENCE

Terracon   Olathe, KS
Software Engineer Intern   June 2023 – August 2023
- Developed ETL data collection software with **C#, .NET, and Azure,** improving invoice accuracy by 30% and reducing retrieval times by 90% when compared to manual processes.
- Enhanced UX of Terracon's project management platform by implementing a **.NET Blazor** interface for storing project searches and layouts of 100+ internal users.
- Crafted data pipelines in **Azure Data Factory**, streamlining data accessibility for 5+ applications.
- Integrated apps with **CI/CD**, including pull requests, code reviews, and unit/integration testing.
- **Technologies: C#, .NET, Azure, Oracle, SQL, Git, Postman**

Colby College   Waterville, ME
Computer Science Teaching Assistant   September 2023 – Present
- Held weekly office hours to help students with DSA & OOP projects and concepts in **Java**.
- Conducted code reviews on 30+ projects to debug issues and provide constructive feedback.

Colby College   Waterville, ME
IT Support Technician   January 2023 – May 2023
- Consulted customers through phone calls, emails, and walk-ins, resolving 10+ tickets weekly.
- Increased user satisfaction by assisting non-technical users with simplified guides.

PROJECTS

Scholar Ninja | *React Native, Flask, Firebase*   October 2023
- **React Native** mobile app for accessing personalized scholarships based on profile and preferences.
- Developed **Flask** routes for login and utilized **Firebase** for storing user and scholarship data.

ScholarAI | *Next.js, React, GPT-3 API, PostgreSQL*   March 2023
- Full-stack web app for uploading PDF text to GPT-3 model for time-efficient document searching.
- Won the **Most Innovative Solution** category from 150+ participants at the GitHub All In Hackathon.

Micromouse | *Python, CircuitPython, Git, Raspberry Pi*   October 2022 – Present
- Designed a pathfinding robot that traverses the shortest path towards the center of a maze.
- Collaborated to implement algorithms and movement functions using **Python** and **Raspberry Pi**.