

Richard Trinh

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EDUCATION

Colby College Waterville, ME
Bachelor of Arts in Computer Science May 2026
GPA: 3.82
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, Express.js, Next.js, .NET, Flask, Docker, Git, Postman

EXPERIENCE

Terracon Olathe, KS
Software Engineer Intern June 2023 – August 2023

- Developed ETL data collection software for finance dashboards 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.
- Implemented algorithms, simulations, and movement functions using **Python** and **Raspberry Pi**.