

Richard Trinh

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EDUCATION

Colby College

Bachelor of Arts in Computer Science

GPA: 3.6

Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Data Analysis and Visualization, Computer Organization, Computer Vision, Linear Algebra

Waterville, ME

May 2026

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

Software Engineer Intern

Olathe, KS

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

Computer Science Teaching Assistant

Waterville, ME

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

IT Support Technician

Waterville, ME

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**.