

Richard Trinh

Olathe, KS | (816) 288-7470 | rktrin26@colby.edu | [rtrinh760.github.io](https://github.com/rtrinh760)

Education

Colby College – B.A. in Computer Science, GPA: 3.74

May 2026

Skills

Languages: Python, Java, C#, JavaScript, C, C++, Golang, SQL

Frameworks/Software: React, Node.js, .NET Framework, Flask, Docker, Git, Postman, Azure, PostgreSQL

Experience

Incoming Software Engineer Intern, Netsmart – Overland Park, KS

November 2023 – Present

CS Teaching Assistant, Colby College – Waterville, ME

September 2023 – Present

- Held weekly office hours to help students with DSA & OOP projects and concepts in Java
- Conducted code reviews on 50+ student projects to debug issues and provide constructive feedback, improving average project grades by 10%

Full Stack Software Engineer Intern, Terracon – Olathe, KS

June 2023 – August 2023

- Developed a microservice to automate invoice data collection with C#, .NET, Azure, and Postman by implementing JSON data retrieval on an ASP.NET backend server, reducing processing times by 90%
- Designed an interface in React to store engineering project queries and table layouts with Oracle and SQL, improving the UI/UX of a project management service for 1000+ internal users
- Integrated apps with Git and Azure DevOps CI/CD pipelines, decreasing deployment latency by 40%

Electronics Technician Intern, Garmin – Olathe, KS

August 2021 – December 2021

- Led a team of 5 interns to build a transistor tester utilizing oscilloscopes, multimeters, and soldering techniques
- Wrote detailed documentation for the tester's features and procedures, decreasing product errors by 20%

Projects

Scholarship Searcher | *React Native, Flask, Firebase*

October 2023

- Designed a mobile app to help students find personalized scholarships based on user profiles and preferences
- Implemented Flask routes for login and utilized Firebase to store user and scholarship data

AI Video Summarizer | *Next.js, React, PostgreSQL*

March 2023

- Created a full-stack video transcript analyzer that generates summaries and quizzes for study enhancement
- Developed RESTful API routes in Next.js for chunking and analyzing text via tokenization to GPT-3.5 and pulling transcripts from YouTube APIs

Coral Reef Annotator | *Python, OpenCV, TensorFlow, Keras*

January 2023

- Constructed U-NET segmentation ML model to classify reef islands for climate impact research
- Leveraged Python ML libraries to annotate 1,500+ atoll images and achieve F1 scores of ~86% via hyperparameter tuning

Leadership

Co-President, Colby Robotics

October 2023 – Present

- Established organizational structure, recruited members, and created project timelines for Micromouse
- Coordinated workshops including CircuitPython, Algorithms, Soldering, and 3D Printing