

## Tristen Kurutz

Full-stack engineer passionate about applied programming and ethics

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### EDUCATION

#### Rochester Institute of Technology

*B.S. in Software Engineering, Minor in Env. Studies*

Dec. 2026

3.3 GPA

### TECHNICAL SKILLS

Angular, C, C++, C#, CSS, HTML, Go, Java, JavaScript, .NET, Python, PostgreSQL, React, Spring, TypeScript

### EXPERIENCE

#### Software Engineering Intern

Jun. 2026 – Aug. 2026

*M&T Bank*

*Buffalo, NY*

- Designed and built a Java-based test orchestration platform from the ground up as a solo project, replacing a legacy ReadyAPI setup
- Migrated 255 API and message queue tests to Playwright, improving maintainability and enabling programmatic test control
- Integrated the platform into GitLab CI/CD pipelines to automate weekly test execution across deployment workflows

#### Frontend Software Intern

Jan. 2026 – Jun. 2026

*Benco Dental*

*Virtual*

- Contributing to full-stack applications with a C# (.NET) backend and React frontend as part of a cross-functional engineering team
- Designing and implementing unit tests using mock objects to ensure reliability, coverage, and dependency isolation
- Resolving frontend tickets for e-commerce platform and internal applications, addressing UI bugs, performance issues, and edge cases

#### Full-Stack Software Intern

Sept. 2025 – Dec. 2025

*Innovative Systems, Inc.*

*Pittsburgh, PA*

- Extended existing full-stack applications by implementing features and fixes across C# (.NET) and React stacks
- Led a refactor initiative to improve maintainability and scalability through stronger object-oriented design patterns
- Reduced React warning count from 250+ to zero, improving debugging efficiency and creating a cleaner CI/CD pipeline

#### Frontend Software Intern

Jun. 2025 – Aug. 2025

*M&T Bank*

*Buffalo, NY*

- Designed and prototyped comprehensive dashboards in Figma to improve the business workflow for viewing credit history disputes
- Implemented various services and components in Angular to streamline information from bank and 3rd party REST APIs in one location
- Collaborated with both business and technology stakeholders to design and deliver an efficient, user-focused application

### PROJECTS

#### Contrax (Mindex) Senior Project (React Native, Expo, Go)

Jan. 2026 – Aug. 2026

- Served as project manager and frontend developer on a React Native fantasy football app, coordinating bi-weekly sprints with a student team and a Mindex sponsor
- Doubled sprint velocity by restructuring task breakdown and backlog prioritization, improving team output and on-time delivery of sponsor requirements
- Refactored legacy frontend to resolve bugs and improved visual consistency, and built a Go automation script to seed test users and teams for stakeholder demos

#### Bird Scholar Research Project (Python, HTML, JS, CSS)

Mar. 2026 – May 2026

- Conducted undergraduate research (WGST-225) examining citational bias in avian behavioral biology through network analysis of 105 scientific papers
- Built citation network graphs using the Semantic Scholar API, NetworkX, and ForceAtlas2, with node size encoding total degree and color encoding citation frequency
- Found evidence of a less-connected same-sex literature network, with the most-cited paper being a review calling for more data, consistent with underreporting of same-sex behavior in biology research

### ACTIVITIES

#### RIT Society of Software Engineers

2024 – Present

*President (Fall 2026), Secretary (Spring 2026), Treasurer (Spring 2025), Mentor (Fall 2024)*

#### RIT Caring Hearts for Cats

2023 – Present

*E-Board Member (2024 – 2026)*