

Christopher Ernst-Fortin

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Education

Rensselaer Polytechnic Institute at Troy, NY

May 2025

Bachelor of Science in Internet Technology and Web Sciences (ITWS)

Minor: Economics

GPA: 3.22/4.00

Technical Skills

TypeScript • JavaScript (ES6+) • Python • C/C++ • Node.js • Express • bcrypt • React • jQuery • PHP • MongoDB • Mongoose • MariaDB • SQL • REST APIs • Docker • Azure • PowerApps • Power Automate • SharePoint Lists • AWS • Git/GitHub • Figma • Agile • NodeMailer • AI Integration • HTML • CSS • Web Design • Linux • R • Machine Learning

Relevant Coursework

Computer Science: Data Structures, HCI, Computer Info Systems, Computer Org, Web Systems Dev, Foundations of CS, IT and Web Science Capstone, Web Science Systems Dev

Business: MGMT in the Digital Age, Org Behavior, Managing IT Resources, Managerial Finance, Systems Analysis and Design, IT Project Management, Data Resource Management

Employment Experience

REPAY - Realtime Electronic Payments | *Software Sales Engineer* | Atlanta, GA

June 2025 - October 2025

- Partnered with clients and internal developers to design and deploy custom payment integration solutions using REST APIs and SDKs.
- Delivered technical demos and API walkthroughs to support pre-sales efforts.
- Onboarded 20+ new client builds, guiding technical setup and successful deployment.
- Resolved 60+ integration cases, enhancing performance and client satisfaction.
- Presented payment platform capabilities to enterprise clients, contributing to new account acquisitions.

J&J MedTech Supply Chain Product Availability App | *Software Engineering* | Troy, NY

January 2025 - May 2025

- Developed a Microsoft PowerApp to streamline product availability notifications for the Global MedTech Supply Chain Customer Service team.
- Designed admin and customer service interfaces for managing access and notifications.
- Integrated SharePoint List for structured data management and strict access control.

GamesThatWork | *Software Engineering Intern* | Atlanta, GA

March 2024 - August 2024

- Supported development, QA and user experience staff to develop new deployed versions.
- Created authentication system using Google Firebase platform with JavaScript programming language.
- Worked with developers to identify and remove software bugs, resolving 51 issues through Github pull requests.
- Contributed to the successful deployment of 5 new features across 2 deployed application versions.

Projects

PatchNotes | *Software Engineering and Design class project* | Troy, NY

January 2025 - May 2025

- Collaborated with a team to develop PatchNotes, a web app that aggregates legislative updates from government APIs and provides AI-generated summaries.
- Developed the back-end using Node.js, Express, and MongoDB, implementing secure user authentication, database integration, and RESTful API endpoints.
- Implemented bookmarks, multi-criteria filtering, and NodeMailer email alerts for personalized updates

King Ferry Presbyterian Church | *Web Page Project Manager* | King Ferry, NY

September 2024 - December 2024

- Led a team of 4 to design and develop a responsive website to showcase church events, services, and outreach.
- Built using HTML, CSS, and JavaScript, focusing on a user-friendly interface and accessibility.
- Integrated interactive features, including an events calendar and contact form, to enhance engagement.

TraverCity | *Software Engineering and Design class project* | Troy, NY

September 2023 - December 2023

- Collaborated to design a web app to streamline travel planning with features like itinerary creation and real-time weather updates.
- Integrated APIs for weather data and location-based recommendations to enhance user experience.

MaLung | *Software Engineering and Design class project* | Troy, NY

September 2022 - December 2022

- Collaborated in a team of 3 to design an online COVID-19 AI classifier to detect cases in lung scans
- Managed back-end / DevOps tasks, hosted on Microsoft Azure and containerizing development with Docker.
- Designed a responsive UI in Figma and implemented a database with MariaDB integrated through a PHP back-end.

Certifications

Oracle Cloud Infrastructure 2023 Certified Foundations Associate