

NICHOLAS DAWSON

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I love solving challenging problems with technology. I'm a quick learner and can adapt well to new environments. I'm interested in full-stack web development, automation, consulting, and using cutting-edge technologies.

EDUCATION

Rochester Institute of Technology Aug. 2020 - Dec. 2024
B.S. Software Engineering
GPA: 3.88

EMPLOYMENT

Applications Engineer Co-op, Teknic, Inc., Victor, NY (In-Person) Aug. 2023 - Dec. 2023

- Provided consultative engineering advice and technical support to hundreds of customers using servo/motion control products
- Created C++ and C# code examples and documentation for customers using software servo controller

Software Engineer Intern, Steelcase, Grand Rapids, MI (In-Person) May 2023 - Aug. 2023

- Developed AI-powered digital experiences to assist internal operations and dealerships
- Implemented a web app from scratch to search/display sales analytics to empower business leaders to make data-backed decisions
- Utilized: Azure, Vue, Nuxt, SQL, Azure Open AI Service

Full Stack Software Engineer Co-op, , Enfield, CT (Hybrid) May 2022 - Jan. 2023

- Developed a cloud-based web app designed with the microservice architecture
- Optimized search system to be 50% faster and take fewer API calls per search by syncing tables with the legacy system tables
- Improved user experience by implementing additional generated reports, and improved existing reports based on user feedback
- Spearheaded the major version migration of our front end from Vue 2 to Vue 3
- Utilized: JavaScript (Vue), Kotlin (Spring Boot), MS SQL, Jasper Reports, Agile, Pair Programming

Back-End Web Developer, Otomation Technologies Inc., Part-time (Remote) (15-20hrs/week) Dec. 2020 - May 2021

- Developed a web-based audio player and drag-and-drop task management system
- Implemented a 2FA system using Google Authenticator
- Utilized: JavaScript, jQuery, HTML, PHP, MySQL, and Bootstrap

IT Intern, Town of Portland, CT, Portland, CT June 2016 - Aug. 2021

- Worked with IT team to manage Chromebooks, computers, and other hardware/software systems.
- Troubleshoot various issues with hardware, software, and websites

LEADERSHIP / MENTORING

Society of Software Engineers, Mentoring Head / Mentor Jan. 2023 - Current
Help software engineering/computer science students with their coursework. (4hrs/week)
Schedule/Manage 15+ mentors, and ensuring mentors have the resources needed to support students

PROJECTS

froggy.app (URL Shortener) Aug. 2022 - Current

- Worked and collaborated on the application with friend to practice our skills and learn new technologies
- Utilized experience and interest in web technologies/security to ensure the app is following best practices for development and deployment
- Learned Go, Gin, Google App Engine, Docker to develop the application

Archiver For Google Photos (Personal Project) Jan. 2020 - Current

- Developed an open-source CLI using Python and Google APIs to download/sync media with user-friendly documentation
- Implemented improvements using user feedback/bug reports/developer collaboration

Chromebook Repair Management Tool (Personal Project) Jan. 2019 - Mar. 2020

- Developed GUI application using Python, PyQt5, and Google APIs to automate Chromebook repair process for Portland School district
- Reduced process time by more than 20x

SKILLS

LANGUAGES: Python, JavaScript, HTML, Java, SQL, C, Kotlin, Vue, React, C++, Bootstrap, Go, PHP

TECHNICAL SKILLS: Git, REST APIs, Agile, Documentation, Automation, Networking, Web Scraping, Pair Programming, TDD, Docker, Azure, GCP