

Daniel Mironiuk

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Results-driven software engineer with a strong academic foundation and a genuine passion for building innovative solutions. Seeking roles involving OOP, DBMS, Cloud, ML/AI, and full stack programming. Interned at 3 companies and worked on full stack development and DBMS roles.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

BS IN SOFTWARE ENGINEERING
May 2023 | Rochester, NY
College of Computing and Information Sciences
Cum Laude
Cum. GPA: 3.41 / 4.0

SUFFERN HIGH SCHOOL

June 2018 | Suffern, NY
Cum. GPA: 3.63 / 4.0

CERTIFICATIONS

AWS CERTIFIED DEVELOPER ASSOCIATE • DVA-C02

Received. June 2023

SKILLS

PROGRAMMING

Python • C# • JavaScript • Java • Go • Rust • C
PostgreSQL • AWS • MongoDB • CSS

FRAMEWORKS

ReactJS • NodeJS • MaterialUI • Jest • .NET
xUnit • Django • Flask • PyTest • Bootstrap
Yew • Testify • JUnit

ADDITIONAL SKILLS

Full Stack • OOP • Git • Zsh • Atlassian
Unit Testing • Docker DevOps • System Design
Github Actions • Machine Learning

COURSEWORK

UNDERGRADUATE

Principles of Data Management
Intro to Artificial Intelligence
Web Engineering
Engineering Secure Software
Software System Reqs and Architecture
Human Centered Reqs and Design
Analysis of Algorithms
Software Testing
Engineering of Software Subsystems
Computer Science I/II
Personal Software Engineering
Software Process and Project Management

LINKS

Website:// softwarebydanielmironiuk.com
LinkedIn:// linkedin.com/in/daniel-mironiuk
Github:// dnnyssoftware

WORK EXPERIENCE

FOUNDRY DIGITAL | INNOVATION FELLOWS ENGINEERING INTERN

May 2022 - August 2022 | Rochester, NY

- Contributed to a cutting-edge Rust-based web application which displays derived GPS data from LoRaWan IoT devices transmitted through the Helium blockchain network to a MQTT server. This data is then passed into MongoDB for client use in order to track their appliances securely and with low cost.
- Tools: Rust, Yew framework, MongoDB, React, Bootstrap, LoRaWan IoT

SANDSTONE TECHNOLOGIES | FULL STACK ENGINEERING INTERN

May 2021 - May 2022 | Rochester, NY

- Contributed to an in-house web application which focused on encoding and testing fiber optic transceivers. The previous practice had data inconsistency from isolated file systems, so this provided a centralized and faster solution in processing and distribution to clients.
- Processing time for encoding, testing, and printing labels for the transceivers became roughly 30% ± %5 faster.
- Tools: ASP.NET Core Razor Pages, C#, React, JavaScript, xUnit, CSS, Bootstrap, JQuery, Selenium, MongoDB

ACCESS ASL | BACKEND SOFTWARE ENGINEER

March 2019 - July 2019 | Rochester, NY

- Contributed to the data aggregation side of the backend with RB Binary Trees in order to organize Vector3 coordinates for specific hand animation models. This effort was for a sign language education start-up company which was sponsored by NTID president Gerard J. Buckley of RIT to promote communication with deaf and hard of hearing communities.
- Tools: Unity, C#, Blender (Vector3)

VOLUNTEERING

SOCIETY OF SOFTWARE ENGINEERS | MENTOR

April 2019 - May 2023

- Organization by software engineers for software engineers where I mentored students as well as assisted in organizing networking events and development projects.

TEDXRIT | MARKETING & CONTENT DIRECTOR

September 2019 - May 2021

- Marketing director for the TEDx program at RIT where I developed content for various social media platforms, promoted ticket sales and networked with companies to sponsor the main event which takes place in April every year.

PROJECTS

DUBIN'S CAR PARKING SIMULATION March 2023 - May 2023

- Used reinforcement learning with genetics algorithms to train a simulated car to go to a specific parking spot on a 2D plane using Python, matplotlib, and numpy.

LANGUAGE TRANSLATOR WEB APP January 2023 - March 2023

- Created my own full stack Google translator web application using React, Django, MaterialUI with the gTTS, pocketsphinx, and googletrans libraries.

SECURITY CAMERA AI October 2022 - November 2022

- Created my own object detection and classification algorithm to identify humans on a live video feed then begins recording frames. After uploads those videos to AWS S3 and you can view your videos delivered by the AWS CloudFront CDN in a Django web application.