

CONNER SAX

Software Developer

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EDUCATION

5/2023

B.Sc. in Computer Science with Software Engineering (Honours)

University of Windsor

Courses: Data Structures & Algorithms, Databases, Networks, Software Verification & Testing, etc.

EXPERIENCE

6/2022 – 03/2024
Windsor, ON

Software Developer

CIBC Wood Gundy

- Wrote a new report automation software using Python. Multithreading was used to keep GUI & report generation time snappy.
- Updated an existing reporting software to be more automated. Added an error checking layer which allowed for an approximate 20% improvement in overall report generation time.
- Updated existing tools to improve speed. One of these tools was a list comparison tool which I was able to bring the main algorithm down from $O(n^2)$ to an estimated $O(n)$ runtime.
- pandas, pdfminer, openpyxl, and other Python libraries were used to streamline daily, weekly, & monthly tasks.

1/2021 – 3/2022
Windsor, ON

Embedded Software Developer

APAG CoSyst Electronic Control Systems

- Wrote embedded C code for multiple projects that was up to the AUTOSAR Classic standards.
- CAN, LIN, I²C, UART, and SPI communication protocols were used throughout projects done.
- Developed an End of Line test for a product using CAPL.
- Created multiple business intelligence tools using Python, Java, PowerApps, and PowerBI.
- Monthly scrum goal meetings, and daily standup meetings occurred to keep team communication open.

PROJECTS & EVENTS

9/2021 – 4/2022
Capstone Project

Buoy VPN

github.com/prairir/Buoy

- Peer-to-Peer Mesh VPN where every node keeps track of all other nodes.
- Written in Go for Linux/UNIX based systems.
- Developed multiple IP support.
- Co-wrote documentation.

10/2020 – 1/2021
School Project

UWinRent

github.com/prairir/UwinRent

- Website allowing university students to view rental properties.
- Created using React, Flask, and GraphQL.
- Developed a custom GraphQL schema and engine implementation.
- Developed dynamic map rendering using ReactJS.

1/2020
McMaster University

Delta Hacks VI

devpost.com/software/flap-bird-reality

- Created a Flappy Bird remake in virtual reality using the Unity game engine.
- Learned basics of Unity and C# in one night.

9/2019
Oakland University

Grizz Hacks

devpost.com/software/mood-pizza

- Winner of best automation hack.
- Created a web-app using Flask that ordered pizza automatically based on user's favourite team and mood.

SKILLS & ATTRIBUTES

Languages: Python, Java, C, C++, SQL, CAPL, bash, batch, JavaScript, HTML, CSS, Kotlin

Technologies/Frameworks: Qt, PostgreSQL, GraphQL, Flask, TCP/IP, Git, SVN, Regex

Atlassian Suite: Jira, Confluence, Bamboo, Jira API

Microsoft Suite: PowerApps, Dataverse, Power Automate, PowerBI, Dataverse API, Office365, Azure AD

Operating Systems: Linux/UNIX, macOS, Windows

- Self-Motivated; started a lawn care service at a young age.
- Verbal communication skills developed from interacting with clients, colleagues, managers, and collaborating in a team.