

CONNER SAX

Software Developer

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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.

EXPERIENCE

- 6/2022 – 03/2024 **Software Developer (Intern)** CIBC Wood Gundy
Windsor, ON
- 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 **Research and Development Intern** APAG CoSyst Electronic Control Systems
Windsor, ON
- Wrote embedded C code for multiple projects that was up to the AUTOSAR 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 **Buoy VPN** github.com/prairir/Buoy
Capstone Project
- 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 **UWinRent** github.com/prairir/UwinRent
School Project
- 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 **Delta Hacks VI** devpost.com/software/flap-bird-reality
McMaster University
- Created a Flappy Bird remake in virtual reality using the Unity game engine.
 - Learned basics of Unity and C# in one night.
- 9/2019 **Grizz Hacks** devpost.com/software/mood-pizza
Oakland University
- Winner of best automation hack.
 - Created a web-app using Flask that ordered pizza automatically based on user's favourite team and mood.

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.

REFERENCES

DARREN LUCK

Senior Wealth Manager

CIBC Wood Gundy (Luck Financial Group)

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MAC PETRYSHYN

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RYAN PRAIRIE

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