

# CONNER SAX

Software Developer

✉ me@connersax.ca

🌐 connersax.ca

☎ (519) 300-6482

🐙 github.com/connersax

🌐 /in/conner-sax

## SKILLS & ATTRIBUTES

---

**Languages:** Python, Java, 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 – Present **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, I<sup>2</sup>C, 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.