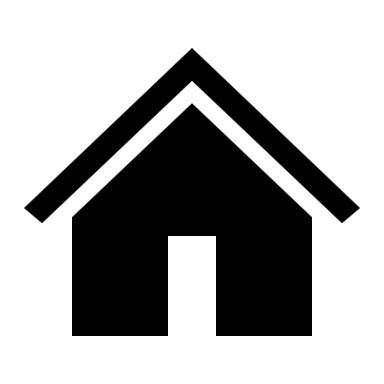
Braulio Carrion Corveira

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Description automatically generated with medium confidence](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAABsAAAAbCAMAAAC6CgRnAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAhUExURQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG3RSMEAAAAKdFJOUwAhIktR8fL7/P7eAVsoAAAACXBIWXMAACHVAAAh1QEEnLSdAAAAlUlEQVQoU32SUQ6EMAhE0V113fsf2MI8WtKo7wOGmYhNWhv8BVPhJHFOPMBNcJ0da7CT2IZRyZAxVqFyLQMjWlOeMBKH2U8r9ZUffGQ1lb2Cp7ZES1Zc1f4Xp3+o2hdVXTI7mvpJylWFIcJVnZGrOoP7mNHmML1645W4ffSMRw+hott738hu3kuPGlgJLry8T4eEycwuzv8QLrgiKYIAAAAASUVORK5CYII=)A black background with a black square

Description automatically generated with medium confidencebrauliocarrion@gmail.com | [carr-23](https://github.com/Carr-23) | [brauliocc](https://www.linkedin.com/in/brauliocc/) | +1 (647)-971-0200 | Toronto, CA

# Skills

### **Languages:** Python | C++ | C# | Java | C | Rust | ARM | x86 Assembly | Scala | Verilog | VHDL | MATLAB

### **Web:** CSS | HTML | React | JavaScript | Django | SQLite | MYSQL | Bootstrap

### **Tools:** AWS | Git | Docker | Linux | Selenium | TensorFlow | NumPy | OpenCV | Tesseract-OCR | Windows API |PowerShell | Jupyter | Visual Studio | Android Studio | Unity | Thrift | Spark | Zookeeper | RAFT | Kafka | cURL | Agile Jira | Confluence

# Work Experience

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Description automatically generated with medium confidence**Arctic Wolf** — Security Developer *(Precogs Core)*](https://arcticwolf.com/solutions/managed-detection-and-response/) January — April & September — December 2023  
• Led new **Python** Automation project, taking advantage of **Jira API**, **QueryBroker API**, and **internal frameworks** to pull data,  
 run tests, and complete tasks automatically, resulting in a **95%-time reduction** (over **88 developer hours** per month).  
• Enhanced customer security posture by Management, Detection, and Response (MDR) using customizations.  
• Overhauled a **Python** search tool by implementing a new framework, incorporating essential features required by the  
 team for completing urgent tasks speeding up the time by **75%**, and wrote **unit tests** using the **Python Mock** library.  
• Initiated a **proof-of-concept** project for the team aimed at enhancing **version control**, including exploration of a database  
 cleaner. This aimed at merging similar configuration files and seamlessly integrating new ones as they were added.

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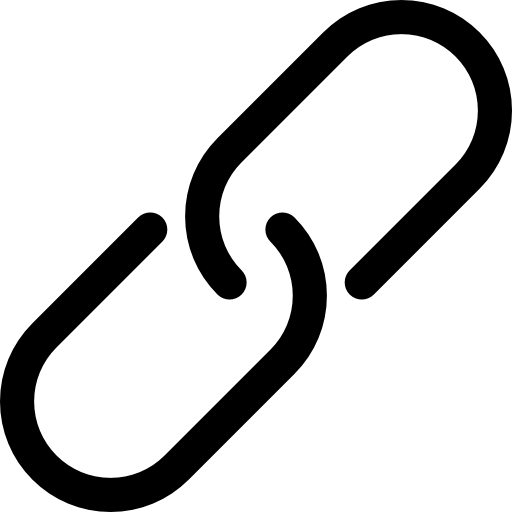
Description automatically generated with medium confidence**OpenText** — Software Developer *(Exceed TurboX)*](https://www.opentext.com/products/exceed-turbox) May — August 2022  
• Revised drivers for remote desktop protocols across both **Linux** and **Windows** using both **C** and **C++.**  
• Introduced the use of **Windows API** to manage low level functionality for physical and injected system input.  
• Improved the overall performance of each **RDP session** by **15%** by delaying function calls with the use of **timers**.  
• Expanded knowledge on coding best practices which will help with **JIRA** and **GitHub** readability to mitigate future issues.

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Description automatically generated with medium confidence**Resolution Life** — Cloud and Security Engineer](https://www.resolutionlife.com/) September — December 2021  
• Coded a **PowerShell** script to automate security updates and catch human errors to save **five days** of wait time.  
• Implemented **Python** code to build and model applications using **AWS Cloud Development Kit** to save **hours** of repetition.  
• Established a **Golden Image** on **AWS**, enhancing server creation with improved speed, security, and **80%** less downtime.

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Description automatically generated with medium confidence**Calix** — System Engineer](https://www.calix.com/) January — April 2021  
• Leveraged **Python** alongside the company’s **API** to assess and identify **hundreds** of devices vulnerable to breaches.  
• Delivered a **Selenium-based** web crawler to the team, improving the collection of information about customers'  
 devices, which resolved device location and increased overall WIFI performance for **thousands** of devices.

[**InternHacks** — Full Stack Engineer *(ProactiveGrads)*](https://www.linkedin.com/company/internhacks/) June — August 2020  
• Created a **web-platform** tailored to assist graduates in maximizing **thousands** of job searches and organizing applications.  
• Enhanced the application's features and scalability using **Django**, employed **SQLite** for storing job listings and user data,  
 used advanced **AI models** to generate dynamically relevant results, and arranged a responsive frontend with **Bootstrap**.

# Projects

**Capstone** — Application & Full Stack Engineer *(AutoHelm)* May 2023 — March 2024  
• Developed a user-friendly **Windows Application** using **C# WPF,** added **25+** building blocks for users to streamline tasks.  
• Innovated an **Intermediate Language** (*AHIL*) with a **Compiler**, complete with robust Grammar, Lexer, Parser, and AST.  
• Started and Designed a Web Marketplace for sharing a­­­utomation workflows using **React** and **Google** **Firebase**.  
• Trained **Meta Code Llama 13b** to generate *AHIL* code for chatbot feature, streamlining development process for users.

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Description automatically generated with medium confidence**Automated YouTube Channel** — Python Developer *(VCC)*](https://www.youtube.com/@valorantclipcompilation1953) July — November 2020  
• Organised a **Python** program for a video game highlight channel, involving web scraping the **most popular** clips  
 via **get requests** and **Selenium**. Compiled and rendered clips with **Python** libraries **Pillow** and **MoviePy**.  
• Published final render achieving **100%** uptime using **YouTube-API** alongside generated title, thumbnail, and description.

# Education

**University of Waterloo** — 4th Year Computer Engineering Candidate *(BASc)* September 2019 — April 2024