Cason Cook

🌐 casoncook.ca ✉ Cook6083@mylaurier.ca 🐙 github.com/CasonCook
🔗 linkedin.com/in/Cason-Cook 📞 519-868-2665

EDUCATION

Wilfrid Laurier University, Waterloo, Ontario *Sep 2023 - Aug 2027*
Honors Computer Science Management Option *BSc*
Courses: Probability & Stats, Software Engineering, AI, Data Mining, Database I, Computer Networks

EXPERIENCE

WRHN *Sep 2025 - Dec 2025*
IT Support Analyst Co-op Waterloo, Ontario
- Imaged, provisioned and deployed **70**+ devices while troubleshooting network, software and hardware issues migrating to the new WRHN domain
- Enabled accurate project tracking for migration by collecting weekly deployment metrics in **excel** and presenting progress to leadership to support resource allocation decisions.

Special Olympics Ontario *Nov 2023 - Present*
Website Administrator Remote
- Collaborated with **cross-functional** teams to implement website initiatives, ensuring timely completion and communication by drawing on strong teamwork and project management skills.
- Communicated effectively with non-technical **stakeholders** to gather requirements for website updates, ensuring modifications aligned with **organizational goals** and user needs.
- Validated **10**+ new website **features** and updates across multiple browsers and devices, identifying and documenting issues to improve overall user experience.

Wilfrid Laurier University / *Python, Java, C* *Sep 2024 – Present*
Computer Science IA Waterloo, Ontario
- Demonstrated **leadership** by guiding over **120** students per term in understanding core programming languages through labs using **Python, Java, and C++**
- **Adapted** quickly to different student needs by assessing their difficulties and adjusting explanations or **problem-solving** approaches to maximize their learning experience.
- Communicated assignment requirements with detailed **technical explanations**, reinforcing effective requirements **analysis** and enhancing communication of abstract programming concepts.

PROJECTS

PuckData - NHL Team Data Analytics Platform / *Python, Flask, PostgreSQL, Docker*
- Designed a modular **Flask API** to serve team power rankings from a **PostgreSQL** database on **AWS** RDS, following **RESTful** principles and enabling seamless integration with front-end tools.
- Applied **statistical modeling** using z-score normalization and weighted scoring to transform data into **actionable** team rankings, demonstrating strong quantitative reasoning and predictive insight.
- Engineered **SQL** queries and schema design to support dynamic data retrieval and efficient updates to team performance data, applying relational database knowledge in an **analytics** context.
- Leveraged version control (Git) and **Docker** containers for reproducible testing and development of the analytics platform, preparing for future **CI/CD** integration and scalable deployment.

🔗 **AWS Terraform CI/CD Pipeline** / *AWS CodePipeline, CodeBuild, Terraform*
- Developed a fully automated **CI/CD** pipeline using **Terraform** to ensure efficient, reliable, and repeatable deployments while adhering to best practices for infrastructure as code.
- Leveraged Terraform for infrastructure provisioning and configuration management, automating IAM policy enforcement to streamline deployment processes.
- Integrated **GitHub** for source control, streamlining code management and supporting a proactive approach to vulnerability detection and adherence to **DevSecOps** best practices

SKILLS

- **Languages:** Python, C#, TypeScript, JavaScript, CSS, VBA, R
- **Frameworks:** FastAPI, .NET, Pandas, Node.js, React, Vue.js, TailwindCSS
- **Databases:** MongoDB, Firebase, MySQL, PostgreSQL, SQLite
- **Tools:** Git, Jira, Linear, Plain, Notion, Power BI, SAP, Docker, Terraform