

Tevin Heath

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EDUCATION

Bachelor of Engineering - University of Guelph

Sept. 2023 – Jun. 2027

Major in Computer Engineering, Minor in Physics

Guelph, ON

- **Relevant Coursework:** Engineering Design, Electricity & Magnetism, Circuit Design, & Computational Physics

TECHNICAL SKILLS

Electronic Design Automation:	Altium Designer, CircuitMaker
Programming Languages:	Python, Java, C++, C, MATLAB, R
Libraries/Packages:	Python — TensorFlow, Scikit-learn, Keras, Pandas, Feather
Database Management:	SQL: MySQL, SQLite — NoSQL: MongoDB
Tools & Version Controls:	LaTeX, Git & Github, Power BI, Figma

WORK EXPERIENCE

Software Engineer & Project Management Intern

May. 2024 – Aug. 2024

City of Calgary

Calgary, AB

- Software developed an automation program for the City of Calgary's Supply Chain using **Python** and **R**, that allowed for streamlined data collection and pipelining processes with zero data loss.
- Designed software solutions and **built robust data pipelines**, that integrated diverse data sources for real-time analysis and reporting.
- Conducted technical training sessions for non-technical staff by teaching data management and programming skills in Python and R for **Data Science** and **Research techniques**.

Financial & Accounting Analyst

Sept. 2023 – Dec. 2023

University of Guelph

Guelph, ON

- Collaborated with the Finance Manager to design financial software that automates manual processes using **Python** modules such as **Pandas** and **Numpy** and other useful libraries.
- Assisted in data analysis and financial reporting related to outstanding accounts receivables and provided support to the Accounts Receivable Coordinator.

Data Science Analyst

May. 2023 – Aug. 2023

Cambridge Memorial Hospital

Cambridge, ON

- Developed dashboards using **PowerBI** and **Python**, based on program needs, to support ongoing performance and quality measurement, planning, and reporting.
- Scripted database queries using **SQL** for data modelling and machine learning algorithms and reporting
- Designed and work with Clinical Managers on clinical performance and outcome indicators for specific medical units such as Medicine and Surgery.

EXTRACURRICULAR ACTIVITIES

Software Developer

Sept. 2023 – Present

University of Guelph Collaborative Creative Collective (CoCreCo)

Guelph, ON

- Developed the University of Guelph's (UoG) CoCreCo database using **SQLite**.
- Managed the UoG CoCreCo's team of developers and graphic designer on website design and database development in preparation for conference and competition that UoG CoCreCo's will be hosting in 2025.

Software & Flight Systems Technical Member

Sept. 2024 – Present

Gryphon Aerospace

Guelph, ON

- Developing Gryphon Aerospace website using AI-assistance low/no code resources, alongside **Javascript**, **HTML** & **CSS** front-end design for website deployment allowing for visitors to learn about Gryphon Aerospace.
- Leading the research initiatives for Gryphon Aerospace relating to Computational Physics and Scientific computation problems as it relates to industry standard problems.
- Creating Gryphon Aerospace's first customized Printed Circuit Board (PCB) using **Altium Designer 24** for PCB schematics, design, & simulation to assist in the electrical engineering design for Gryphon Aerospace's Unmanned Aerial System (UAS).