

# 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

<b>Electronic Design Automation:</b>	Altium Designer, CircuitMaker
<b>Programming Languages:</b>	Python, Java, C++, C, MATLAB, R
<b>Libraries/Packages:</b>	<b>Python</b> — TensorFlow, Scikit-learn, Keras, Pandas, Feather
<b>Database Management:</b>	<b>SQL:</b> MySQL, SQLite — <b>NoSQL:</b> MongoDB
<b>Tools &amp; Version Controls:</b>	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.

### 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.

### Senior Consultant

Oct. 2021 – May. 2022

*KPMG Canada*

*Waterloo, ON*

- Created project models using **Tableau** for public and municipal sector clients by analyzing, evaluating, and developing business solutions, KPI's and strategic processes (financial, operational, risk, and system processes).
- Lead stakeholder consultations and conversation in the development and implementation of public sector strategy and business improvement processes and programs.
- Mentored and oversaw **KPMG's Junior Consultants** on projects and all management activities including financial planning and contracting aspects and obligations.

## EXTRACURRICULAR ACTIVITIES

### Software Developer

Sept. 2024 – Present

*University of Guelph Collaborative Creative Collective (CoCreCo)*

*Guelph, ON*

- Developing the University of Guelph's (UoG) CoCreCo database using **SQLite**.
- Managing 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*

- Conducting research 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** & **Cadence OrCAD** for PCB schematics, design, & simulation to assist in the electrical engineering design for Gryphon Aerospace's Unmanned Aerial System (UAS).