

Erin Manson

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Skills

- Languages: Python, Java, HTML, CSS, JavaScript, SQL, C, R, VBA, MATLAB, ARM, Racket
- Development: Unix based development and shell scripting, Git and GitHub, Eclipse IDE, IntelliJ IDEA, VS Code, R Studio, Dr. Racket
- Concepts: Web Development, AI, Data Structures, Algorithm Design,
- Software/Systems: Postman, JIRA, Google Suite, MS 365, Mac OS, Linux OS, Windows OS
- Interests: LLMs and AI, Cryptography, Embedded Software Development

Education

Wilfrid Laurier University, Honours Bachelor of Science, Waterloo, ON 2021 - Present
Major: Computer Science
Minor: Philosophy

Experience

AI Intern Co-op May 2024 – August 2024

ICON Office Environments | Python, AI, API request building

- Fine-tuned an AI model to help with securing government tender deals
- Developed mainly in Python using AI libraries such as PyTorch, NumPy, and SciPy
- Built API requests connecting to CRM and marketing software to automate tasks

Actuarial Analyst Co-op September 2023 – December 2023

Sun Life | Python, SQL, MS Excel, VBA, Agile Project Management

- Developed a calculator in VBA to assess the risk of high reserve insurance products
- Offered advice to teams looking to convert outdated actuarial tools into Python programs
- Created algorithms to analyze data and investigate why insurance policies become underfunded

Projects

Personal Portfolio | HTML, CSS, JavaScript

- In an effort to learn more about web development I started independently working on this project during my free time while on a co-op work term.
- Utilized HTML, CSS, and JavaScript to create interactive features and style the site, you can learn more about me and my experience at <https://erinmanson.com>.

Research2SlidesWebApp | AI, Java, HTML, Maven

- Developed end to end a product that converts research-based PDFs to summarized slide shows ready for presentation using AI.
- The program strips the text from previously unreadable PDFs, summarizes using Cohere Natural Language Processing AI model, and populates a PowerPoint using Apache POI and Java.
- Completed this project with four classmates in CP317 (Software Engineering) at Laurier.