

Matthew Biggins

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Technical Skills

Languages: C, Java, Python, JavaScript, HTML, CSS, SQL, PHP, R

Frameworks: Node.js, Express.js, Bootstrap

Libraries: Pandas, Seaborn, Matplotlib, NumPy, playwright, jQuery

Development Tools: Git, VS code, Windows Subsystem for Linux, make

Education

Bachelor of Computing, Software Engineering | September 2020 – April 2025

University of Guelph, Guelph, ON

- Completing a Minor in Business

Work Experience

F. Hoffmann-La Roche AG | October 2022 – January 2023

Pharma Technical Analyst

- Worked with another intern at Roche to build a database on google cloud using BigQuery and python to store chemical safety information for use in pharmaceutical production.
- Collaborated with Genentech Hillsboro to develop their gSite which showcased all the information regarding Hillsboro Individualized Therapies. This initiative significantly improved transparency and made it easier for stakeholders to access information related to Hillsboro Individualized Therapies.
- Worked in an agile environment and conducted weekly standups with the other Interns at Roche.

Boggio Pharmacy | June 2022 – September 2022

Technician

- Worked independently to configure a TELUS HME point of sale system for use within the pharmacy and worked to transfer the Pharmacy data and information into the point-of-sale system.
- Trained the pharmacy staff on the operation and functionalities of the system resulting in a streamlined process to fulfill product orders that customers have placed.

Projects

SVG Parser | 2022

- Built a SVG parser using C and libxml2.
- Developed a front end for the SVG parser using JavaScript, HTML, and CSS, as well as jQuery.
- Developed a Node.js web server using Express.js to run the SVG parser.

Covid-19 Data Analysis Program | 2021

- Developed a covid-19 data analysis program using Python with a team of four.
- Used the Python library's Pandas, Seaborn, and Matplotlib to create graphs of the covid-19 data.
- Used the scrum development cycle to collaborate with team members which resulted in an overall success for the project.