

# Craig Pinto

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## Skills

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**Programming Languages:** Python, C/C++, PHP, Java, JavaScript, SQL, Bash, R, HTML/CSS

**Tools & Frameworks:** Azure, Flask, Django, MongoDB, Git, GraphQL, Jira, Docker, Jenkins

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## Education

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### Ryerson University

*Expected Graduation: April 2023*

#### Honours BSc. in Computer Science with a Minor in Math

**Relevant Courses:** Machine Learning (**Python**), Data Structures & Algorithms, Databases (**SQL**), Web Systems, Statistics (**R**), Systems Programming (**C, Bash**), Software Design (**Java, Git**), Computer Vision

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## Work Experience

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### Software Engineer, MDA

*May 2022 – Present*

- Facilitated scrum stand-ups and retrospectives for 8 team members in a scaled **Agile** environment
- Developed **embedded C/C++** modules on Canada Arm 3 following **Test-Driven Development (TDD)**
- Led 4 interns in creating a **Python** test verification script and parser that aids developer workflow and **checks over 800 tests within seconds**

### Software Developer, Federal Government of Canada

*May 2021 – August 2021*

- Deployed an internal automation portal in an Agile driven environment, that streamlines the process of creating **Azure resources**, **reducing the average event hub creation time by 40%**
- Enabled support for real-time streaming of thousands of large datasets for use in Security Information and Event Management (SIEM) platform
- Collaborated with microservices team to create a web app that can remotely deploy microservices
- Created a **Python Flask** web application with **MongoDB** that uses the **Azure Resource Manager API** to create Azure event hubs and namespaces, **decreasing costs by 10%**

### Full-Stack Developer, A51 / DigThisData

*May 2020 – April 2021*

- Deployed a **Shopify** app using **Python Flask** with **GraphQL** that helps users set up and track online sales, by importing existing products and monitoring inventory, **reducing store setup time by 60%**
- Optimized API requests to create a company's product line and variants within **30 seconds**
- Expanded company reach **from 3 to 9 provinces** by enabling support for provincial liquor sales
- Implemented a data pipeline that automates the daily retrieval of **over 1000 inventory and sales files** using **Python Selenium**, and ingesting the CSV files into an **SQL** database
- Generated a sales reporting dashboard using **PHP** and **JavaScript** that supports over **3000 customers**

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## Projects

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### Ryerson Unmanned Aerial Vehicles

*September 2021 - Present*

#### Computer Vision and Control Systems Lead

- Developed an autonomous control system in **Python** for drone navigation with landing pad detection
- Communicated with 5 developers to plan and create a long-range passenger transport system
- Facilitated weekly sprint meetings to evaluate progression and review next objectives

### Ryeify (<https://ryeify.herokuapp.com>)

*December 2020*

- Designed and launched a web platform using **PHP** and **MySQL**, that provides users with recommended music based on Spotify music history and top 5 music genres
- Managed 3 team members to meet project requirements and produce a full application within 2 weeks