

Philip Soriano

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WORK EXPERIENCE

Walker Advanced Manufacturing Innovation Centre

Computer Programmer Research Assistant

May 2024 - Jan 2025

Welland, ON

- Configured, upgraded, and dockerized SuiteCRM for Kubernetes deployment, ensuring compatibility with custom modules, and automating installation with Bash and GitLab CI scripts.
- Developed Python scripts with GeoPandas and SciPy to detect and address residual data noise in soil property maps, improving processing efficiency and eliminating manual analysis by researchers.
- Resolved critical issues in an internal ETL data migration tool, ensuring seamless migration from historical databases.
- Collaborated with the research team of a partner company to develop and refine methods for detecting artefacts in data, using gradient analysis and edge detection algorithms (OpenCV) on images generated on the dataset using Matplotlib to identify anomalies efficiently.

PERSONAL PROJECTS

Thesis Contribution

A History of Misrepresentation; Centering Trans-Feminine Individuals Within Craniofacial Approximations (AWS Face Rekognition, CompreFace, Face++)
by Taylor Violet Ross

- Edited and proofread thesis while assisting in data collection and analysis.
- Leveraged facial recognition APIs to compare and quantify the consistency of craniofacial approximations of the same skull, examining how different standards proposed by the author affected the results.

Snake Clone UWP Game

<https://github.com/sorphil/sanic-uwp/>

(C#, Universal Windows Platform)

- Developed a Snake Clone game using the Universal Windows Platform (UWP) with C#, featuring an interactive and engaging user interface.
- Utilized game loop mechanics and input handling to replicate classic Snake gameplay, gamepad and keyboard controls for an optimal user experience across devices.

To-Do Web Application

<https://github.com/sorphil/todolist-web>

(JavaScript, CSS3, HTML5, Python, Django/Django REST)

- Designed a mobile responsive application using vanilla JavaScript/HTML/CSS as the frontend and storing data and handling authentication and sessions using Django-REST framework as the backend (hosted using the basic service provided by Python Anywhere)

EDUCATION

Niagara College

Computer Programming and Analysis Co-op

Jan. 2023 - Jan 2025

Welland, ON

- GPA: 3.7/4.0
- President's Honour Roll for three consecutive terms

TECHNICAL SKILLS & CERTIFICATIONS

Skills

- **Languages:** Python, C#, Javascript, HTML/CSS3
- **Libraries & Frameworks:** Numpy, Matplotlib, SciPy, Pandas, GeoPandas, Django/Django-REST, ASP.NET, .NET, REACT, Sass
- **Tools:** Git, Linux, Shell/Bash Scripting, Docker, Kubernetes, JWT, CI/CD

Certifications

- CompTIA A+ (In Progress)
- Certified Kubernetes Application Developer (CKAD) (In Progress)

OTHER WORK EXPERIENCE

Aramark - Brock University

Food Service Worker

Feb. 2023 - Present

St. Catharines, ON

- Trained across different campus food locations(Tim Hortons, Starbucks, Pita Pit, etc.), demonstrating adaptability and quick learning.
- Ensured and upheld high standards of quality with attention to detail
- Provided friendly and efficient customer service with strong interpersonal skills.