

ARNOLD JOSEPH AGUILA

Software Developer

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Summary

With over three years of professional experience, I offer expertise in web development and Python programming. Additionally, I possess versatile skills, with foundational knowledge in Java, C++, C#, Ruby, and PHP. I have demonstrated proficiency in porting applications across platforms and efficiently maintaining codebases. Recognized for adaptability and a steadfast commitment to continuous learning and professional advancement.

Experience

University of Lethbridge

Lethbridge, Canada

Research Assistant (Python/Matlab Developer)

06/2024 - Present

- Successfully designed and implemented a functional network for Raspberry Pi systems, ensuring seamless communication between devices for a beehive project.
- Conducted comprehensive data analysis and testing of radio frequencies using MATLAB and Python, optimizing signal performance and enhancing data transmission efficiency.
- Technology used: Matlab, Python

Lethbridge Polytechnic

Lethbridge, Canada

Web Developer

01/2024 - Present

- Designed and developed a landing page website for the department of justice's research project for community integration.
- Collaborated with managers to develop a website with good accessibility.
- Collaborated with the UX/UI team to design the application interface, resulting in better user satisfaction.
- Applied principles of web design and user experience (UX) to create intuitive and aesthetically pleasing site layouts.
- Technology used: Wix, HTML, CSS, JavaScript

Lethbridge Polytechnic

Lethbridge, Canada

Research Assistant (Python Developer)

10/2023 - 07/2024

- Created a Graphical User Interface for the Aquaponics Research Project's fish automation, enhancing data monitoring and manipulation capabilities for improved efficiency.
- Assisted in Calibration using 3-point calibration and code analysis enhancing accuracy of instruments.
- Created and maintained automation scripts in Python to streamline repetitive tasks and improve workflow.
- Technology used: Python, C++, CLI, Raspberry Pi, Samba Server, NFS Server

FPT Software

Manila, Philippines

Software Development Engineer

01/2022 - 08/2023

- Ported a Linux application originally coded in Java and C++ into a cross-platform solution compatible with both Windows and Linux environments.
- Updated and maintained a web application which led to client and customer satisfaction.
- Diagnosed and provided solutions to fix bugs and unexpected errors of the web application for active users.
- Partnered with backend developers and managers, employing agile retrospectives to enhance team performance, productivity, and efficiency.
- Technology used: C++, Java, MySQL, HTML, CSS, JavaScript

Education

Lethbridge Polytechnic
Diploma in Computer Information Technology

Lethbridge, Canada
09/2023 - Present

Batangas State University
Bachelor of Science in Instrumentation & Control Engineering

Batangas, Philippines
09/2023 - Present

Certification

Google IT Support Professional Certificate — Coursera

100 Days of Code: The Complete Python Programming — Udemy

The Complete 2024 Web Development Bootcamp — Udemy

Java 17 Masterclass — Udemy

Beginner C++ Programming — Udemy

The Complete Flutter Development Bootcamp — Udemy