Ryan Huang

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EDUCATION

Western University
Bachelor of Software Engineering

London, ON
May 2026

EXPERIENCE

Xinosys Co. Ltd | *Software Engineer Intern*
Taipei, Taiwan | May 2024 – Sept 2024

- Worked with Amazon SWE tools and AWS AI as a newly partnered Amazon company
- Translated over 5+ languages using Amazon's Haiku AI, cross-referenced each translation using Google Translate and Chat-GPT for over 2,000 words/terms
- Created a web crawler using Scrapy to obtain Amazon product information to train AI models for clients, with fully customizable parameters to avoid partnered companies
- Web crawler scraped over 5,300 results per hour, proxy implementation can improve to over 10,000 results/hr.
- Dissembled old company servers and combined parts to create a new company server running Linux.

Xinosys Co. Ltd | *Full Stack Engineer Intern*
Taipei, Taiwan | May 2023 – Sept 2023

- Developed API for the company's B2B web product to connect real-time sales information to client's dashboard using GraphQL, tested each function using Postman
- Created and improved the front-end user interface using React.js and Spring Boot framework while using Docker Desktop to create a local testing environment
- QA tested the product on Android, IOS, and Chrome while sending detailed reports of each bug over Slack
- Revised and created suggestions for UX and UI design aspects to improve legibility and reduce clicks

Genesis Labs | *Full Stack Engineer Intern*
Ottawa, ON | Nov 2021 – Feb 2022

- Worked as a full-stack web developer for a voting application, set up local environment using XAMPP Apache web server technology
- Established secure user authentication protocols through MySQL implementations for varying school positions, including Principals, Teachers, and School Board Admins
- Created a responsive data visualization tool showcasing differentiated content for each individual access level
- Created a voting protocol for students and voting alerts to ensure no foul play or fraudulent votes during count

PROJECTS

Web Scraper | *Python*
Completed

- Created a web scraper to collect Amazon product information for competitor analysis
- Collected product name, price, rating, rating count, brand name, features, specifications and measurements, and stock information
- Created a variety of filters to allow users to search for items matching their criteria
- Resulting data automatically exported and formatted in an Excel file

Phocus | *Python, Java, Kotlin*
In Progress

- Goal is to create an study app that can accurately track user's study time.
- By creating an AI tracker to observe the user's movements using OpenCV, observe the user's body movements and determine if the user is studying or slacking off.
- Additional functions such as group study sessions, and leaderboards for friends will be implemented to create a sense of community and competition.

QQ Disaster Tracker | *PHP, MySQL, HTML/CSS*
Completed

- Developed a web-based disaster tracker for WEC (Western Engineering Competition) 2024 in 7 hours with local deployment using MAMP(Apache web server technology)
- Displays all current disasters in a list using MySQL imported from the provided CSV file
- Implemented search functions and displayed all rows of information provided by the CSV file

SKILLS

Languages: Mandarin, English
Programming Languages: Java, Python, SQL, JavaScript, HTML/CSS, C++, PHP, React.js, GraphQL
Developer Tools: Docker Desktop, Postman, Git, GitLab, AWS AI
Certifications: CPR/AED/First Aid, WHIMS