Joshua Esteban Ruiz Nowell

Graduated Computer Engineer | University of Victoria

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EDUCATION

UNIVERSITY OF VICTORIA

B.A.Sc. in Computer Engineering

Graduation: April 2025

Specializations: Computer Intelligence, Networks Security and Privacy

SKILLS

PROGRAMMING

Python • C++ • MatLab • Java • SQL • Swift • JavaScript

TECHNOLOGIES

Git • Linux • PyTorch • VScode • IntelliJ • Cursor • Next.js • PyCharm • Xcode • OpenCV

LINKS

GITHUB:

https://github.com/joshruiz1414

LINKEDIN:

https://www.linkedin.com/in/joshua-ruiz-software/

INTERESTS

Basketball • Piano • Climbing

VOLUNTEER

Community Sports Coach • Salvation Army Team

AWARDS

90%+ Average Scholarship University of Victoria For outstanding grades in Secondary School senior year

LANGUAGES

Spanish (Advanced)

TECHNICAL

90%+ in University Data Structures course • Advanced Rudiments Theory with Distinction Honours

EXPERIENCE

Kuran Games | SOFTWARE DEV INTERN   July '25 - Sept '25

› Spearheaded development of multiple unique H5 games from design to completion

› Leveraged AI prompts to accelerate gameplay development and problem-solving

› Contributed to product decisions in team meetings by analyzing user feedback

› Tested and debugged various H5 games to achieve reliable production releases

Natural Resources Canada | DATA ANALYST   Sept '24 - Apr '25

› Led feature process E2E with design, stakeholder review, and production release

› Leveraged python libraries in ARCGIS to automate meaningful data visualizations

› Optimized fire spread project performance by adopting level-focused BFS algorithms

› Processed hundreds of thousands of data points using python scripts or SQL queries

Noratek Solutions | JUNIOR SOFTWARE DEV INTERN   May '24 - Aug'24

› Created and troubleshooted a pivot table in java to display custom client data

› Introduced robust and informative unit testing to ensure data retrieval was accurate

› Paired with senior engineers to design isolated modules for user app workflows

› Wrote SQL queries that combine data from PostgreSQL database for web dashboard

Voronoi Health Analytics | SOFTWARE INTERN   1/22 - 4/22 + 9/22 - 12/22

› Initiated automatic program start-up Cpp script with machine-type dynamic inputs

› Completed project to connect MATLAB and Cpp processes using named pipes

› Used Cpp to clean up company-wide bash script making it generalizable for every OS

› Developed Cpp program that generated mock user-data for main app test cases

RELEVANT PROJECTS

Face Tracking Security Camera   Sept '23 - Dec '23

› Used pyCharm, openCV, and numpy to extract image frame features efficiently

› Tailored thread count to maximize CPU usage and speed up slow computations

› Presented end-to-end demo of embedded system coordinating face identification

› Integrated email notification system with real-time deliver of attached image payload

SKILLS

Git - Proficient with merge conflict resolution, versioning, and best practices for git

Linux - Excited about tools like cut, xargs, find, to simplify tedious data manipulation tasks

CI/CD - Experienced with integration tests and new stages for safe pipelines deployment

Design - Skilled at breaking down problems for scalable architectures with clear data flows

AI Prompt - Ability to craft precise prompts, effectively leveraging AI tools for automation