HAYDEN ROSS

Computer Scientist

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🔗 HayRossSibz22

ABOUT ME

As a computer science graduate, I'm dedicated to excelling in a meaningful professional environment. With industry experience in quality assurance, as well as in depth knowledge of C++, C, and Java, I am a versatile hire ready to learn even more. I'm enthusiastic about contributing to a community that values innovation, building strong bonds, and creating exceptional user experiences.

TECH STACK

Java C C++ C# Python .NET Core JavaScript

TypeScript MySQL HTML CSS React

Linux iOS Multiple Processor Coding GitHub

VSCode Eclipse JIRA Microsoft Office

LANGUAGES

English: Native

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French: Professional

WORK EXPERIENCE

Quality Assurance Specialist @ Matrox

📅 08/2020–05/2021   📍 Dorval, QC, Canada

- Demonstrated expertise in conducting rigorous tests on multiple builds, ensuring the delivery of fully functional products to customers. Effectively managed tests varying in complexity from sourcing from various operating systems to streaming over diverse web protocols.
- Conducted root cause analysis and troubleshooting to identify and communicate bugs promptly to relevant engineering teams via JIRA, resulting in swift resolutions and improved product quality.
- Conducted comparative analysis of competing streaming devices, designing and executing comprehensive tests to benchmark our services and devices against competitors. Communicated formalized results to cross-functional stakeholders, aiding in strategic decision-making.
- Contributed to knowledge sharing and process improvement by creating and documenting testing methods, tools, and technical specifications, including streaming protocols and batch files for automated testing. This documentation, as well as teaching essential skills and knowledge to new team members, facilitated onboarding and enhanced team efficiency.

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Lead Marketer @ Student Works

📅 12/2017–08/2018   📍 Montreal, QC, Canada

- Efficiently managed job coordination, ensuring the smooth transition of equipment between sites and facilitating the introduction of employees to new customers.
- Proven track record of acquiring over 100 new customers through successful cold calling and door-to-door marketing efforts, significantly expanding the customer base and revenue.
- Provided comprehensive training and supervision to new employees, equipping them with essential sales skills necessary to excel in their roles and contribute to the company's growth.

EDUCATION

Bachelor of Computer Science @ Concordia University

📅 2019–2023   📍 Montreal, Canada

Diploma of College Studies in Pure and Applied Science @ Dawson College

📅 2017–2019   📍 Montreal, Canada

PROJECTS

Digitized Risk Board Game in In C++ 🔗

📅 January 2022–April 2022

- Collaborated with a team of 4 other Concordia University students to recreate the classic Risk board game using C++.
- Developed complex features, including dynamic map integration from the internet and the inclusion of unique non-playable characters (NPCs).
- Employed formal methods to manage cross-functional complexity effectively, ensuring successful project execution.

Parallel Quicksort on Hypercube Using Multi-Threading 🔗

📅 September 2022–October 2022

- Implemented a parallelized Quicksort algorithm in C++.
- Utilized multi-threading techniques to distribute sorting tasks across multiple threads, enhancing performance by leveraging modern multicore processors.
- Designed and optimized the algorithm to run on a hypercube topology, effectively utilizing the parallel processing power of interconnected nodes.

Machine Learning Models Determining Water Potability 🔗

📅 September 2022–December 2022

- Led a collaborative effort with 3 other students to develop machine learning models in Python aimed at evaluating water safety for drinking purposes.
- Leveraged data analytics and advanced preprocessing techniques, including recursive feature elimination, to optimize 9 generated models and identify the most efficient one.
- Presented results to a Concordia University Professor, demonstrating strong skills in model comparison and optimization. Achieved a minimum accuracy of 80% for the generated models.
- Utilized GitHub for seamless collaboration and version control throughout the project.

INTERESTS

- Painting: digital and traditional @WhatsHaydenCreatin
- Sketch Comedy
- Traveling
- Rock Climbing: bouldering and deep soloing
- Weight Training