

David Gorski

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Work Experience

Back-End Software Developer - The Stars Group Inc.

September 2018 - Present, Richmond Hill/Remote

- Worked with C++, message distribution queues, and DB2 database system to expand Robust and Performant Back-End on the world's largest poker website. Focusing on code clarity, distributed system thinking, and data structure/algorithm selection.
- Designed and implemented an Activity Monitoring Framework, enabling awareness of subsystem failure in a matter of seconds rather than weeks. Provided in-depth and illustrative documentation to enable efficient use of framework by other developers.
- Developed software facilities enabling Critical Legal User Validation via external API calls designed to remain responsive under heavy load (thousands of simultaneous connections).
- Designed and developed a multi-module, Asynchronous Reporting Tool to facilitate the creation and delivery of crucial regulatory reports (high burst volume in 100,000s).
- Used Python to implement interactive integration testing scripts for interfacing with modules under development.

Junior Software Developer - Futurecom Systems Group, ULC.

June 2017 - August 2018, Vaughan

- Used Visual Studio, C++, and MFC to design and develop encrypted configuration link between Desktop and Embedded Mobile Public-Safety Radio System.
- Worked within a Linux Environment using C, C++, Postgres database system and Nanomsg message queues to develop crucial elements of a mission-critical Distributed System (Subway Safety System), including binary data parsing algorithm doubling communication efficiency while lowering raw throughput.
- Designed and developed a Multi-threaded Web Application using Python (Flask) and JavaScript (jQuery) to aid with remote start-up, configuration, and replication of multi-server industrial information system.

Education

Western Governor's University - Bachelor of Science, Computer Science

June 2018 - Present, Online

McMaster University - Bachelor of Commerce, Finance and Information Systems

September 2012 - May 2016, Hamilton

Projects

- **Map-Based Collaborative Urban Planning Platform** (Go, Svelte, Cloud, CI/CD)
- **Cryptocurrency** (C++, Micro-Services, Sockets, Concurrency)
- **Scheme Interpreter** (C++, Scheme, STL, Unit-Tests)
- **Personal Static Site Generator for Developers** (C++, STL, HTML)
- **Markdown to HTML Parser Library** (C++, STL, Regex)
- **News/Link Aggregator** (Racket, SQL, HTML, CSS, Back-End)