David Gorski

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Work Experience

Senior Software Engineer - Bloomberg LP
August 2020 - Present, Remote

- Designing, developing and maintaining high-performance full-stack distributed systems by leveraging Modern C++, Python and JavaScript.
- Integrating open source data technologies including Apache Kafka, RabbitMQ and COMDB2 to enable powerful information pipelines.

Software Developer - The Stars Group Inc.
September 2018 - July 2020, Richmond Hill/Remote

- Worked with Modern C++, Python, message distribution queues, and DB2 database system to expand Robust Back-End on the world's largest poker website. Focusing on code clarity, distributed system thinking, and data structure/algorithm selection.
- Developed software facilities enabling Critical Legal User Validation via external API calls designed to remain responsive under heavy load (thousands of simultaneous connections). Ensured system health by designing and integrating monitoring framework. Provided in-depth and illustrative documentation to enable efficient use of frameworks by other developers.

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

Bachelor of Science, Computer Science
2018 - 2020, Western Governor's University, Online

Bachelor of Commerce, Finance and Information Systems
2012 - 2016, McMaster University, Hamilton

Projects

Please visit davidgorski.ca for project details.

- **User-Behavior Driven Content Feed** (Python, JavaScript, Machine Learning)
- **Map-Based Collaborative Urban Planning Platform** (Go, Svelte, Cloud, CI/CD)
- **Cryptocurrency** (C++, Micro-Services, Sockets, Concurrency)
- **Scheme Interpreter** (C++, Scheme, STL, Unit-Tests)
- **News/Link Aggregator** (Racket, SQL, HTML, CSS, Back-End)