

# David Gorski

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## Work Experience

### Software Developer - The Stars Group Inc.

*September 2018 - Present, Richmond Hill*

- Worked with C++, STL data structures and DB2 database system to expand robust and performant Payments and Licensing Back-End on the World's Largest Poker Site (millions of users).
- 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 test scripts for interacting with modules under development connected to a Scalable, Distributed and Replicated system.

### 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 and Nanomsg message queues to develop important elements of a mission-critical Distributed 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

- **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)
- **Cryptocurrency** (C, Blockchain, Encryption, Message-Queues)

## Skills

- C++, C, Python, Java, Scheme
- SQL, GIT, Linux administration & command line
- JavaScript/HTML/CSS/React