

EDUCATION

UNIVERSITY OF TORONTO

CANDIDATE, HONOURS BACHELOR OF SCIENCE

Specialization in Software Engineering

Minor in Statistics


3B Term | Expected April 2021

STEPHEN LEWIS SECONDARY SCHOOL

June 2017 | Vaughan, ON

LINKS

GITHUB:

github.com/bengavrilov 

LINKEDIN:

www.linkedin.com/in/ben-gavrilov

COURSEWORK

UNDERGRADUATE

Scientific Computing/Computational Theory

Abstract Data Structures and Algorithms

Data analytics and Storage Optimization

Testing and Quality Assurance

Applied/Functional Programming

Mathematical Economics/Statistics

INDEPENDENT

IOS Application Development

Web Development

Deep Learning: Neural Networks

Financial Markets: Stocks, Futures, Options

SKILLS

TECHNICAL

Working Experience:

C# • Java • Python • JIRA • ASP.NET MVC v4+ •
jQuery • Bootstrap • Angular • NoSQL • Jenkins •
MS SQL Server 2008+ • OpenShift • Elasticsearch

Academic Experience:

Java • JavaScript • C • LaTeX • Xcode • Unity •
Spring Boot • CSS • SVN • HTML5 • Azure DevOps

TRANSFERABLE

- Excellent oral and written communication skills
- Performs well under pressure and tight timelines
- Proficient problem solving and logical analytics abilities
- Refined team building and collective work efficiency

EXPERIENCE

Technical Systems Engineer Co-Op | Royal Bank of Canada (RBC)

May 2020 – August 2020 | Toronto, ON

- Worked within the **data environment** team to maintain information systems on the cloud
- Developed java applications using Spring Boot and Thymeleaf MVC for data processing pipelines
- Delivered applications utilizing rest API calls from internal microservices that connect to the ELK (Elasticsearch, Logstash, Kibana) stack (NoSQL) through OpenShift (docker, Kubernetes) automation
- Increased logback processing time by 35% through multithreading with file channel streams and byte buffers
- Set up a monitoring service for an internal server with agents tracking API calls, resource allocation, and response time aggregation

Software Engineer Co-Op | Bond Brand Loyalty

May 2019 – August 2019 | Toronto, ON

- Developed to specifications based on PBIs (Azure DevOps) using Java, Jenkins automation, and Spring Boot frameworks
- Designed, coded, tested, debugged and documented web applications – Desktop and Mobile responsive sites
- Delivered solutions balancing technical and business requirements with the Digital Development team
- Upheld back-end by maintaining UAT/PROD MS SQL servers, databases, and Web/Rest APIs for **Scotiabank Rewards**
- Developed front-end user interface utilizing HTML5, CSS, jQuery, Bootstrap, and Angular infrastructures

Projects (all accessible via personal site or GitHub)

Personal Website | bengavrilov.com

April 2020 - Present | Toronto, ON

- Created a portfolio website showcasing all my qualifications, projects, and academia using HTML5, CSS, and JavaScript (jQuery)

Pathfinding Visualizer |

April 2020 – Present | Toronto, ON

- Developed a pathfinding algorithm that visualizes the workflow of weighted (Dijkstra's & A* search) and unweighted (Breadth-first search & Depth first search) algorithms
- The GUI was developed with HTML5, CSS, and JS (Bootstrap)

Chatting Platform |

May 2020 – Present | Toronto, ON

- Constructed a chat application that hosts a main server (main lobby) where people can login and chat from anywhere
- Upheld by tools like Node.js, Express, JS, and WebSockets