

## EDUCATION

### UNIVERSITY OF TORONTO

CANDIDATE, HONOURS BACHELOR OF SCIENCE

Specialization in Software Engineering

Minor in Statistics

4B Term | Expected April 2022

### STEPHEN LEWIS SECONDARY SCHOOL

June 2017 | Vaughan, ON

## SKILLS

### TECHNICAL

Working Experience:

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

Academic/Freelance Experience:

Java • Python • C • Golang • JavaScript • CSS • Git  
• HTML5 • Azure DevOps • MongoDB • Neo4j •  
REST • Dagger 2 • Material UI • LaTeX • Unity • SVN  
• Spring Boot • React

## Projects (available on personal site)

### Personal Website | [bengavrilov.com](http://bengavrilov.com)

April 2020 - Present | Toronto, ON

- Created a portfolio website showcasing all my qualifications, projects, and academia using jQuery and Bootstrap frameworks
- Hyperlinked all relevant freelance work to this site to centralize portfolio details

### 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
- Developed an interactive GUI with Bootstrap and Node.js frameworks

### Chatting Platform |

May 2020 – Present | Toronto, ON

- Constructed an interactive 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 WebSocket frameworks

## EXPERIENCE

### Full Stack Engineer | Sportcred

September 2020 – December 2020 | Mountain View, CA

- Developed a beta version sports themed social media platform
- Constructed a web application with React JS on the front-end, Golang on the back-end, Neo4j for data warehousing, and Firebase SDKs to store images in a Google Cloud Storage bucket
- Introduced a completely modular **microservice** architecture where all components communicate via REST API
- Worked with UX designers, product owners, quality assurance analysts, and a scrum master within an agile environment to facilitate deliverables

### 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 Jenkins continuous integration 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
- Reduced daily log processing times 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 within 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

## LINKS

### GITHUB:

[github.com/bengavrilov](https://github.com/bengavrilov) 

### LINKEDIN:

[www.linkedin.com/in/ben-gavrilov](https://www.linkedin.com/in/ben-gavrilov)