

Dmitriy Prokopchuk

437-984-8517 | dimprokopchuk@gmail.com | [Linkedin](#) | [Github](#) | [Portfolio](#)

EDUCATION

University of Toronto

Honours BSc Computer Science | 4.0 GPA

Toronto, ON

2021 – Present

Awards:

- Lester B. Pearson Scholarship - Merit Based | Full tuition for 4 years
- 2022 University of Toronto Excellence Award - Summer Research Fellowship | \$7500
- 2022 University of Toronto Scholar In-Course Award - Top 20 students entering second year | \$1500
- 2021-2022 University of Toronto Dean's List of Academic Excellence

EXPERIENCE

Software Engineer Co-op

Sep 2022 – Present

PointClickCare

Mississauga, ON

- Developed a **Kafka** audit system for a **RESTful Java Springboot** application, allowing for **100+ secure audits** to be sent to an **Azure Event Hub** every month.
- Implemented an **OAuth2 and OpenID** authentication system in a reverse-proxy using **Nginx, OpenResty, and Lua**, resulting in a highly secure system for requesting sensitive data from the backend.
- Prepared **CI/CD pipelines** with **Jenkins and Groovy** to allow for deployment to production and staging environments. Integrated a security scan deployment stage for **Prisma Cloud and Fortify SCA scans**.
- **Unit-tested** Springboot service using **Junit and Mockito**, and mocked various HTTP requests with **MockMvc**, resolving various bugs thanks to consistent **90%+** coverage.

Undergraduate Research Assistant

Nov 2021 – Sep 2022

University of Toronto, Ontario Institute for Studies in Education

Toronto, ON

- Created **20+ web-scrapers** using **Python, BS4, and Selenium**, resulting in a database with **1,000,000+** data points for analysis.
- Formatted and created standalone **CSV and relational databases** with flagging systems for data and scraping discrepancies allowing for streamlined analysis in **NVivo**.
- Completed tasks remotely with a full commitment to quality, resulting in contract renewal for new projects as well as a **UTEA award valued at \$7500** for the summer of 2022.

PROJECTS

Android Venue Booker | [GitHub](#) | *Java, Android Studio, Firebase*

Aug 2022

- Created a **CRUD Android application** with **Java and Android Studio** that allows for the creation and booking of venues and events.
- Implemented **NoSQL** data storage, asynchronous data updating, and authentication with the **Firebase API**.
- Acted as **Scrum Master** for a team of **5** members, using **Jira and Github** for collaboration

University Course Website | [Website](#), [GitHub](#) | *Python, Flask, SQLite, BCrypt, Git, JS, Heroku*

Apr 2022

- Implemented back-end authentication, authorization, and **SQL querying** with **Flask, BCrypt, SQLAlchemy, and SQLite**, resulting in a **100%** mark for the backend implementation.
- Prototyped and designed user-friendly, clean, and **reactive UI** in **Figma**, and received an A+ for a fully functional and aesthetically pleasing implementation in **HTML, CSS, and JS**.
- Built project from scratch and deployed to **Heroku**.

LightSearch | [Package Control](#), [GitHub](#) | *Python, Sublime Plugin API*

Jan 2022

- Developed a lightweight, standalone **plugin** for the **Sublime Text 4 IDE** that allows developers to query searches into a variety of common search engines from within Sublime.
- Utilized **Python** with the **Sublime Plugin API**, and officially **deployed** to Sublime Package Control with **30+** users.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (SQLite), Bash, JavaScript, HTML/CSS

Frameworks and Methodologies: Flask, Springboot, Firebase, Selenium, NoSQL, Nginx, JUnit, Mockito, Agile

Developer Tools: Jenkins, Jira, Git (GitHub, Bitbucket), Maven, Heroku, OAuth2, OpenId, VS Code, IntelliJ, Eclipse, Android Studio, Sublime.