Dmitriy Prokopchuk

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EDUCATION

University of Toronto Toronto, ON
Honours BSc Computer Science | 4.0 GPA *2021 – Present*
- Lester B. Pearson Scholarship - Merit Based | Full-ride 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

Undergraduate Research Assistant Nov 2021 – Present
University of Toronto, Ontario Institute for Studies in Education *Toronto, ON*
- Created **20+ web-scrapers** using **Python, BS4, and Selenium**, resulting in databases with **1,000,000+** data points for analysis and a UTEA research **award valued at $7500** for the summer of 2022.
- Formatted and created standalone **CSV and relational databases** with flagging systems for data and scraping discrepancies allowing for streamlined analysis in **NVivo**.

Software Engineer Co-op Sep 2022 – Dec 2022
PointClickCare *Mississauga, ON*
- Developed and unit-tested auditing, authentication, and DB querying **back-end** systems in an **Agile** environment for **3+ REST APIs** using **Java, Springboot, Junit, Mockito, Kafka, and MS SQL Server**.
- Created a system for dynamically rendering **Material UI** icons in **React**, optimizing page load times by **25%**.
- Enabled the deployment of multiple **microservices** to a **Jenkins** pipeline and set up integration with **Helm Charts** and multiple **Microsoft Azure** services ahead of schedule, increasing Sprint velocity by **30%**.
- 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.

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
- Created a University course site with account, grading, and feedback systems in **HTML, CSS, and JS**.
- Implemented back-end authentication, authorization, and **SQL querying** with **Python Flask, BCrypt, and SQLite**, resulting in a **100%** mark for the backend implementation.

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.

Hack the Valley 5 Hackathon | DevPost, GitHub | *Python, OpenCV2, MediaPipe* Oct 2021
- Developed a **Python** program that uses **computer vision** methods to allow users to move back from their camera while retaining control of presentations with gestures.
- Prioritized multiple tasks in a fast-paced environment to learn and apply **OpenCV2** and **Google MediaPipe** computer vision technologies within a timeframe of **38 hours**.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (SQLite, MS SQL Server), Bash, JavaScript, HTML/CSS
Frameworks & Methodologies: Springboot, Azure, Flask, ReactJS, Firebase, Selenium, NoSQL, Nginx, JUnit, Agile
Developer Tools: Jenkins, Jira, Git (GitHub, Bitbucket), Maven, Heroku, OAuth2, OpenId, VS Code, IntelliJ, Eclipse, Android Studio, Sublime