Sasha Obucina

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EDUCATION

UNIVERSITY OF TORONTO   Toronto, Ontario
Bachelor of Computer Science and Economics (Double Degree Program)   Sep. 2015 – Present
- *Academics*: **3.77/4.0 GPA**; 2016 and 2017 Dean's List Scholar (Top 10%)
- *Honors*: Received over C$ 10K in scholarships, University of Toronto Scholar Award
- *Leadership*: Captain of the UofT Varsity Tennis Team**,** Member of the Varsity Board
- *Goal Driven*: 2017 Ontario University Athletics Player of the Year and 2x OUA All-Star; Canadian National Tennis Championship Semi-finalist

TECHNICAL SKILLS

- Proficiency in **Java** developed through designing applications for academic courses and work related to the Android Open Source Project
- Experienced in **C** and **C++** developed through my work with the Android Open Source Project
- Experienced in **Python** and **MySQL**
- Knowledge of software architectures, **OOA** / **OOD**, design patterns
- Exposure to **HTML**, **CSS**, and **Node.js**
- Experienced in using **Git** and **XML**
- Application design and documentation skills (**UML**)
- Experienced in **Android App Development**
- Competent in operating systems **Linux** and **UNIX**
- Good verbal and written communication skills
- Ability to work with change and ambiguity

RELEVANT PROJECTS

2016   ***Study group finder web application, Software Design course, University of Toronto***

- Helped implement a website application that provides a centralized platform for U of T students to create and manage study groups using Node.js for backend support, Firebase for database management, and Angular for the frontend user interface
- Created a fully-functioning backend system supporting user authentication, real-time messaging, and account management
- Experienced a proper development workflow using Git version control and maintained an Agile development cycle with team members

2017   ***Financial Statement Extractor, Personal Project***

- Designed an application that retrieves financial statements from companies in the SEC EDGAR database (in Python)
- Scraped HTML pages to find appropriate URLs based on the company ticker
- Extracted necessary information through XML documents and tabulated the results to an Excel spreadsheet

WORK EXPERIENCE

Blackberry Ltd.   May 1, 2018 – Present
Security Software Development Student
- Developed Wi-Fi features on the Android OS to comply with NIAP security requirements for use in national security systems
- Extended a hardware abstraction layer (HAL) that facilitates inter-process communication between the Android framework and wpa_supplicant to support Wi-Fi security requirements
- Developed a mechanism to enable external certificate validation through a certificate validator API in the Android framework when connecting to EAP-TLS networks
- Expanded my team's knowledge base by detailing my analyses, insights and design decisions for each task

KEW GARDENS TENNIS CLUB   Aug. 2017 - Sept. 2017
Tennis Instructor
- Advanced relationship management skills by working with tennis athletes of various ages and skill-levels
- Demonstrated ability and willingness to adapt to changing work assignments
- Displayed tremendous passion and work-ethic that propelled the development of provincial-level players