

Branko Mostic

Software Developer

CONTACT

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SKILLS

PROGRAMMING LANGUAGES

Proficient with:

Java • Python • Go • C#

Experience with:

Objective-C • C • C++ • Lua

TOOLS & DEVELOPMENT

Android • iOS • MySQL • Git
JUnit • Mockito • Agile

MACHINE LEARNING

Numpy • Pandas • Scikit-learn
TensorFlow • Keras

EDUCATION

UNIVERSITY OF WATERLOO

BASC IN COMPUTER ENGINEERING

Expected June 2019 | Waterloo, ON

COURSEWORK

UNDERGRADUATE

- Autonomous Vehicles
- Cooperative & Adaptive Algorithms
- Programming for Performance
- Distributed Systems
- Statistics

UDEMY

- Python for Data Science & Machine Learning Bootcamp (2017)

INTERESTS

- Skiing
- Tennis
- Scuba Diving (PADI certified)
- Traveling
- Agile Development
- Artificial Intelligence

References available upon request

EXPERIENCE

WHATSAPP INC. | ANDROID SOFTWARE ENGINEERING INTERN

September 2018 – December 2018 | Menlo Park, CA

- Minimized spam by implementing a new preview flow for sharing text and links.
- Improved user experience by adding a preview flow when sharing audio files & documents.
- Developed a custom audio selection page for the primary chat function.
- Implemented new audio message pop-up notifications to reflect a more modern design.

STACKADAPT | DATA ENGINEERING INTERN

September 2017 – December 2017 | Toronto, ON

- Restructured and optimized the **random forest** pipeline to increase speed by **600%**.
- Developed an A/B test pipeline in **Go** to use multiple models and proportional testing.
- Improved the **logistic regression** statistics infrastructure for better model evaluation.

GROUPBY INC. | SOFTWARE ENGINEERING INTERN

January 2017 – April 2017 | Toronto, ON

- Developed new features for a high volume search engine using **Java** and **Elasticsearch**.
- **Pair programmed** to improve functionality with regards to search relevancy and speed.
- Expanded the test suite through **test driven development** using **JUnit** and **Mockito**.

PIVOTAL LABS | AGILE SOFTWARE ENGINEERING INTERN

May 2016 – August 2016 | Toronto, ON

- Developed a mobile app for Ford Motors on both the **Android** and **iOS** platforms.
- Refined **Android** skills using tools such as **Robolectric**, **Dagger**, and **Butterknife**.
- Learned professional **iOS** development skills while utilizing **Cedar** and **Blindside**.

PIVOTAL LABS | AGILE SOFTWARE ENGINEERING INTERN

September 2015 – December 2015 | Toronto, ON

- Worked in an **agile** team to develop a mobile wallet application for **Android**.
- Wrote code for **80%** of features within the application.
- Maintained product quality using **Robolectric**, **Mockito**, and **test driven development**.

NUVOXX COMMUNICATIONS LTD. | SOFTWARE APPLICATION DEVELOPER

January 2015 – April 2015 | Toronto, ON

- Initiated, designed, and developed an internal calling card dialer app for **Android**.
- Designed a high performance telephony dialer using **C#** for call center load testing.
- Implemented **SIP**-based IVR applications using **Lua**, **MySQL**, **Kamailio**, and **Freeswitch**.

PROJECTS

SCHOOL PROJECTS

- Skipify (Capstone Project) - Analyzes periodic images using **Tensorflow** based **convolutional neural networks** to report lineup wait times on campus. Developed the backend pipeline on **AWS** using **Python** and **Flask**. Implemented the **Android** frontend.
- U-Nets for Cell Nuclei Quantification - A research project aimed at developing two novel **convolutional neural networks** for counting cell nuclei in medical scans, based on the **U-Net** architecture. Developed on **Google Cloud Platform** using **Keras**.

PERSONAL PROJECTS

- Python implementations of **machine learning** algorithms, such as **K-Means** and **SVM**.
- Remi Score Keeper – Track the score and progression of a game of Remi, including player roles (dealer, first to play, etc). [**Android**]