SASHA OBUCINA

Software Developer

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🗞 sashaobucina.github.io/personal-site

₹ Toronto, ON

EDUCATION

Computer Science and Economics (Double Degree)

University of Toronto

10 09/2015 - 04/2020

 Honors: Received over \$10K in scholarships, 2016, 2017, 2018 Dean's List Scholar (top 10%), University of Toronto Scholar

 Leadership & Goal-Driven: Men's Varsity Tennis Captain, 2017 Ontario University Athletics Player of the Year, and 2x OUA All-Star

GPA

3.8 / 4.0

EXPERIENCE

Velocity Software Developer

Scotiabank

■ 01/2019 - 04/2019

- ▼ Toronto, ON
- Developed a production-ready chatbot designed for in-field use by equity traders using a RESTFUL server architecture
- Led research in improving NLP performance and fully integrated the NLU pipeline using the SpaCy and Scikit-Learn ML libraries
- Responsible for full-stack development of backend microservices using Node.js, TypeScript and JQuery
- Assisted in building a fully automated deployment pipeline using Jenkins, Artifactory, and Docker

Security Software Developer

Blackberry Ltd.

- **■** 05/2018 12/2018
- ₹ Toronto, ON
- 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

PROJECTS

Financial NLP Query Engine (Personal Project)

% github.com/sashaobuina/FinanceAssistant

- Developed a website that supports easy access to company financials through natural language queries using React.js and TypeScript
- Implemented a RESTFUL microservice in Node.js that interprets user queries and aggregates data based off of NLP classification
- Trained an NLP model using the RASA ML framework pipeline to classify intents and extract entities from user queries

Photo-Tagger (Software Design Course)

% github.com/sashaobucina/PhotoTagger

- Implemented a photo-tagging application that tags image files and on a local file system and keeps track of modified versions of the image using Java
- Provided a user-friendly GUI to interact with using the Java Swing UI toolkit
- Modelled the project through multiple UML class diagrams and followed strict object-oriented design principles

SKILLS

