Amar Jasarbasic

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Experience

Software Engineer Intern, **Microsoft**
Vancouver, Canada – *May 2019 - August 2019*
- Worked under the **Office Media Group** to develop a lightweight viewer called **Media Viewer**
  for quickly viewing images, videos, PDFs and 3D models across all MS platforms: **WCOS**, **Hololens**, **Surface Hub**
- Implemented a markup/draw feature as well as video support and video controls **(C++/WinRT/XAML)**

Data Engineer Intern, **Shopify**
Ottawa, Canada (HQ) – *September 2018 - December 2018*
- Worked on an internal **data modelling tool** implemented on **Apache Spark** as part of Shopify's Data Acceleration
  team **(Python/Scala)**
- Developed smoke screen tests to verify all functionality of the data modelling tool and ensure that all ETL
  pipelines run properly on the cluster

Technology Analyst Intern, **Morgan Stanley**
Montreal, Canada – *January 2018 - May 2018*
- Built a predictive model using the C4.5 decision tree to identify suspicious client transactions **(Java)**
- Developed and trained a convolutional neural network for a logo detection system **(C++)**
- Researched and implemented the use of GPU clusters to speed up the process of training the CNN **(CUDA)**
- Selected as a **finalist** to showcase my intern project to the Montreal office **executive team**

Other Experience

Teaching Assistant, **University of Ottawa - Faculty of Engineering**
Ottawa, Canada – *September 2019 - Present*
- TA for **Introduction to Computing (ITI1520)**
- Demonstrator for a lab of 65 students as well as a marker for assignments, midterms and exams

Education

BASc Software Engineering, **University of Ottawa**
Ottawa, Canada – September *2016 - December 2020 (Expected)*
- Currently in **fourth year**
- Vice-Chair of the IEEE uOttawa student branch
- Men's Waterpolo Team
- Finance Director for uOttaHack hackathon

Projects

Talentboard | github.com/TalentBoard
- Talentboard is an applicant tracking tool for HR and hiring managers. Talentboard's simple **drag & drop** interface introduces
  a unique, visual approach to managing applicants through the hiring process **(Angular/Typescript/Firebase)**

Skills

Languages: C, C++, Python, Java, Matlab, Scala, SQL, Javascript, HTML, CSS
Technologies: Git, Tensorflow, Docker, WinRT, .NET, CUDA, Spark, Stanford CoreNLP, MongoDB, React, Angular