

# Amar Jasarbasic

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## Experience

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### 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

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### 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

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### BASc Software Engineering, University of Ottawa

Ottawa, Canada – *September 2016 - December 2020 (Expected)*

- Currently in **fourth year**
- Men's Waterpolo Team
- Vice-Chair of the IEEE uOttawa student branch
- Finance Director for [uOttHack](#) hackathon

## Projects

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### Talentboard | [github.com/TalentBoard](https://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

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**Languages:** C, C++, Python, Java, Matlab, Scala, SQL, Javascript, HTML, CSS

**Technologies:** Git, Tensorflow, Docker, WinRT, .NET, CUDA, Spark, Stanford CoreNLP, MongoDB, React, Angular