

Haohan Bo

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Vancouver, Canada

EDUCATION

- **Master of Computer Science, McGill University** Montreal, Quebec, Canada
GPA: 3.90/4.00 Sept. 2017 – Oct. 2019
- **Bachelor of Software Engineering, Wuhan University** Wuhan, Hubei, China
GPA: 3.76/4.0 Sept. 2013 – Jul. 2017

WORK EXPERIENCE

- **Software Engineer** Nov. 2019 - Present
Microsoft Canada
 - Worked in Microsoft event planning and management platform team for both internal and external Sales&Marketing teams to host online and in-person events.
 - Act as team/tech lead to plan, estimate, and coordinate feature delivery with PMs team.
 - Led 6 people team to build and customize an event planning®istration service using TypeScript and Dynamics 365 for more than 10 sales and marketing teams within Microsoft.
 - Built an event registrations management portal for both internal and external customers.
 - Implemented Single Sign-On function to have seamless login experience which is well recognized by customers.
 - Developed events check-in web app with QR code scan feature using TypeScript.
 - Set up CI/CD pipelines from scratch on Azure DevOps.
 - Designed and developed data integration component for ingesting third-party data resources through Azure Logic Apps and Function Apps in C#.
- **Machine Learning Intern** Oct. 2016 - Apr. 2017
SenseTime Group Limited Shenzhen, China
 - Improved and trained Convolutional Pose Machines to generate regions of interest(RoI) and heatmaps of human in images.
 - Designed and implemented the Attention and RoI based Convolutional Neural Network for classification in C++.
 - Trained the neural network using Caffe based on cost-sensitive strategy with more than 6 millions high-quality images.
 - Developed internal tools for testing and data labelling using Python.
 - Improved the accuracy of the model from 93% to 98%.

PROJECTS

- **Text Anonymization – A Natural Language Processing Application** May 2018 - Oct. 2019
Research Assistant, McGill University Montreal, Quebec, Canada
 - Implemented generative adversarial network(GAN) using Tensorflow in Python.
 - Developed a reinforcement learning (RL) method, policy gradient, to adopt various writing style features.
 - Innovated a novel differential privacy mechanism to generate private text data.

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, JavaScript, TypeScript, SQL, HTML, CSS
- **Frameworks:** Tensorflow, jQuery, Angular
- **Other:** Git, Linux, Azure