Haohan Bo

GitHub: https://github.com/bohaohan

Linkedin: Haohan Bo

Email : 54bohaohan@gmail.com

Mobile : +1 (514) 746-8419

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   *Vancouver, 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&registration 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