

BONNIE HU

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EDUCATION

Master of Engineering, Electrical Engineering

January 2018 - Present

McGill University, Canada

- Computer vision - Image Matting and Segmentation
- Supervisor: Professor James J. Clark
- Award: McGill Engineering Undergraduate Student Masters Award (MEUSMA)
- Cumulative GPA: 3.9/4.0

Bachelor of Engineering, Honors Electrical Engineering

September 2013 - December 2017

McGill University, Canada

- Awards: 2014-2015 Douglas H. Macaulay Scholarship, 2015-2016 the Class of '83 Scholarships
- Cumulative GPA: 3.9/4.0

SKILLS

Languages

English, Chinese (Mandarin)

Programming Languages

Python, Java, C, Embedded C, Android, Assembly, VHDL

Libraries & Platforms

Tensorflow, Keras, Pandas, Django; Linux, Google Cloud, Unity

WORK EXPERIENCES

Python Developer Intern

May 2017 - July 2017

Ericsson, Beijing, China

Technologies: Python, Django, Vivado

- Award: Excellent Intern Award
- Leading developer of command line interface and real-time monitoring dashboard for FPGA acceleration project.
- Developed various internal automation tools for project management.

Speech Science Intern

September 2016 - April 2017

Nuance Communications, Montréal, Canada

Technologies: Voice biometrics, Python, Pandas

- Worked on numerous voice biometrics deep learning model tuning.
- Supported several large biometrics clients for system deployment and migration.
- Effectively collaborated with remote staffs. Developed high-quality analysis and testing tools.

ACADEMIC PROJECTS

- **Applied Machine Learning:** Top 2 in modified MNIST classification class competition.
- **Reinforcement Learning:** Public transportation optimization environment to encourage RL research solving real-world problems.
- **Speech Communication:** Tensorflow Speech Recognition Challenge (short-command classification using CNN)

HACKATHONS & VOLUNTEER

Hackathons

- **RoBoss** - Implement AI - Activity monitoring application for repeating jobs - [Mask-RCNN, OpenPose]
- **FlappyU** - VR Game - Winner of McHacks 2018; Published on Steam - [Unity, C#, SteamVR]
- **GiftyMe** - Honorable mention for the best efforts of using SAP Yaas API in ConUHack 2017 - [Python, HTML]

VP Finance

- McGill Electrical Engineering Graduate Student Society (EEGSS) January 2018 - Present
- McGill ECSESS RoboElectronics Club January 2015 - April 2017