BONNIE (GUANQING) HU

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EDUCATION

Master of Engineering, Electrical Engineering January 2018 - Present
McGill University, Canada

- Specialization: Computer Vision (Supervised by Professor James Clark)

Bachelor of Engineering, Honors Electrical Engineering September 2013 - December 2017
McGill University, Canada

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

SKILLS

Language	English, Chinese (Mandarin)
Programming	Python, C, Embedded C, Java, Android, Assembly, VHDL
Libraries & Platforms	Keras, Pandas, Django; Linux, Google Cloud, Unity
Experiences	Automation scripting, Machine learning, Reinforcement learning, Speech communication

WORK EXPERIENCES

HW/FW Developer Intern May 2017 - July 2017
Ericsson, Beijing, China

- Winner of Excellent Intern Award
- Primarily worked on FPGA acceleration project, including development of command line interface and real-time monitoring dashboard. Developed data processing and automation tools. (Python, Django, Vivado)

Speech Science Intern September 2016 – April 2017
Nuance Communications, Montréal, Canada

- Worked on numerous Speech recognition projects, relating primarily to Biometrics. (Nuance Security Suite 10)
- Supported several large biometrics clients for system deployment and migration.
- Effectively collaborated with remote staffs. Developed high-quality analysis and testing tools. (Python, Pandas, Matplotlib)

EXTRA CURRICULUM ACTIVITIES

Hackathons

- McHacks 2018: Winner of Achievement Unlocked: the most fun and creative game dev hack. (VR game, Unity, C#, SteamVR)
- ConUHack 2017: Received honorable mention for the best efforts of using SAP Yaas API. (Python, Flusk, HTML)

Student Society and Club

- VP Finance: McGill Electrical Engineering Graduate Student Society January 2018 - Present
- VP Finance: McGill ECSESS RoboElectronics Club January 2015 - April 2017

ACADEMIC PROJECTS

- Machine learning: Top 2 in Modified MNIST Classification Competition. (VGGNet, Image augmentation, Keras)
- Reinforcement learning: Dueling bandits, Dynamic programming, Dyna-Q (Python, Colab, Pycolab)
- Electrical engineering related: FPGA design in VHDL, microelectronic lab