Tianwei Liu

Cell: 0-7432-765051; Email: T.Liu-39@sms.ed.ac.uk

EDUCATION

University of Edinburgh, Edinburgh, Scotland
Master of Science in Computational Applied Mathematics   *Sept. 2019 ~ present*
Expected Date of Graduation: August 2020

Stevens Institute of Technology, Hoboken, NJ
Bachelor of Science in Computer Science   *Aug. 2015 ~ May 2019*
Overall GPA: 3.60/4.00

SKILLS

Languages: Chinese (native), English(fluent)
Programming Languages: Python 3, Java EE, C/C++, SQL, R, MATLAB
Python Toolkit: Numpy, SciPy, Matplotlib, Scikit-learn, Tensorflow
Other Tools: Latex

WORK EXPERIENCE

Department of Computer Science, Stevens Institute of Technology   *Hoboken, NJ*
Course Assistant, Computer Organization & Programming   *Aug. 2017 ~ Dec. 2017*
- Graded assignments and exams to support professor.
- Answered questions related to course material.
- Helped students with their software and hardware issues.

SagaCloud Technology Co. Ltd.   *Beijing, China*
Algorithm Intern   *May 2017 ~ Aug. 2017*
- Converted MATLAB code of the air-conditioning control system into Python code.
- Employed multiprocessing and threading to minimize the execution time of a single iteration of the control program.
- Developed the machine learning engine for fault diagnosis with my mentor.
  - Experimented with manifold algorithms for dimension reduction and data visualization.
  - Provided assistance in optimizing RNN and LSTM algorithms.

INDEPENDENT PROJECT

Medical Information System   *Jan. 2018 ~ May 2018*
- Built an Enterprise Application of Medical Information System using JavaEE/PostgreSQL.
- Deployed the application on an Amazon EC2 instance using Glassfish.

HACKATHON PARTICIPATION

PennApps XVI, University of Pennsylvania   *Philadelphia, PA*
Myochemist (Most Unique Hack Award)   *Sept. 2017*

PennApps XVI, University of Pennsylvania   *Philadelphia, PA*
Myobomber   *Sept. 2018*

Course Certificates

Neural Networks and Deep Learning, Coursera
Credential ID: P2GPU7CPB463
Credential URL: https://www.coursera.org/account/accomplishments/verify/P2GPU7CPB463