Connor Hargus

connorhargus@gmail.com | +1 (206) 790-2443
Seattle, WA, USA

EDUCATION

Columbia University, The Fu Foundation School — New York, NY
B.S. in Computer Science (Intelligent Systems Track), Magna Cum Laude, GPA: 4.0 — May 2018

- Russell C. Mills Award (May 2018): "This annual award…in memory of… a Ph.D. candidate in Computer Science who exemplified academic excellence and intellectual curiosity, is a cash prize given to a computer science major who has exhibited excellence in the area of computer science."

Whitman College — Walla Walla, WA
B.A. in Math/Pre-Computer Science, Summa Cum Laude, GPA: 4.0 — May 2016

TECHNICAL SKILLS

Proficient in: Python, MATLAB, Java, Swift, C/C++
Tools: PyTorch, TensorFlow, Scikit-Learn, OpenCV
Relevant coursework: Deep Learning, Machine Learning, Natural Language Processing, Computer Vision, Speech Recognition, Computational Aspects of Robotics, Computer Graphics, Advanced Programming

PROFESSIONAL EXPERIENCE

Woodside International High School — Guilin, China
Math Teacher — Fall 2019 – Summer 2020

- Teach and design curricula for AP Calculus and Precalculus courses.

Janelia Research Campus, Turaga Lab — Ashburn, VA
Summer Research Intern — Summer 2018

- Joined with Srini Turaga and Laurence Aitchison to create a neuronal spike inference library using PyTorch.
- Utilized a particle filter with proposal network for fast spike inference from calcium imaging datasets.

Columbia University, Data Science Institute — New York, NY
Course Assistant for Machine Learning for Data Science — Spring 2018

- Held office hours, proctored exams, and graded for Professor Daniel Hsu's graduate-level course.
- Strived to communicate the algorithms and theory of machine learning clearly and intuitively.

Plated — New York, NY
Software Engineer Intern — Summer 2017

- Created a Python package for food image analysis using OpenCV 3 and Scikit-Learn.

ACADEMIC PROJECTS

Deep Reinforcement Learning Agent for StarCraft II — Spring 2018

- Collaborated with Jerome Kafrouni and Roop Pal to develop an AI agent in TensorFlow extending Google Deepmind's results in StarCraft II to further utilize Meta-Learning Shared Hierarchies.

Automatic Music Transcription — Fall 2018

- Developed a library for the automatic transcription of jazz solos using a time delay neural network and a hidden Markov model, borrowing techniques from the field of speech recognition.