
Research Interests

Computational cognitive science, general machine learning and their applications to address real-world challenges.

Education

2014-2017 **BA, Department of Computer Science, Hunter College, New York, NY.**

Current GPA: 3.77/4.00

Expected Graduation Date: May 2018

2008 **BA, Soka University of America, Aliso Viejo, CA.**

Research Experience

2015-2017 **Hunter College, Problem Solving and Machine Learning Laboratory, New York, NY, Undergraduate Researcher.**

- Participated in weekly lab meetings to discuss and critique current lab research.
- Presented AI conference papers to provide lab members a better understanding of current developments in the field.
- Implemented image processing tools for experimental work in robot navigation.

Summer 2017 **University of Massachusetts Amherst, BINDS Lab, Amherst, MA, Research Intern.**

- Researched literature on current developments with ANNs that facilitate spike-time-dependent plasticity.
- Leveraged deep learning features such as convolution layers to improve a spiking neural network.
- Ran experiments in an HPC environment to collect data, optimize hyperparameters, and evaluate performance.

Teaching Experience

Fall 2017 **Undergraduate Teaching Assistant, Hunter College, Department of Computer Science.**

- Assisted recitation sections for introductory computer science course.
- Maintained office hours to tutor introductory students outside of class.
- Tutored students for topics that include programming in Python and C++, Unix commands, basic circuits, and simple machine language.

Related Professional Skills

Jan 2017 **Quantitative Methods Workshop, Massachusetts Institute of Technology, Cambridge, MA.**

- Invited attendee.
- Learned techniques for data processing and analysis, using Python and MATLAB.

Programming Languages and Tools

Python, C++, MATLAB, Lisp, Git, LaTeX.

Honors and Awards

2015-2017 **Dean's List, Hunter College.**

- Sept 2017 **Charlotte W. Newcombe Foundation Scholarship**, *Hunter College*.
- May 2017 **NSF Scholarship-Research Experience for Undergraduates**, *University of Massachusetts Amherst*.
- Feb 2016 **Mother's Day Scholarship**, *Hunter College*.
- 2003–2007 **Joe Martin Scholarship for Good Citizenship**, *Bank of America*.

Professional Memberships

Association for Computing Machinery (ACM)