

EDUCATION

University of Kentucky <i>B.S. Electrical Engineering</i>	GPA: 3.9/4.0	Lexington, KY May 2021
University of Kentucky <i>B.S. Computer Engineering</i>	GPA: 3.9/4.0	Lexington, KY May 2021

WORK EXPERIENCE

Neural Interfaces and Signal Processing (NISP) Lab <i>Undergraduate Researcher, College of Engineering</i>	Lexington, KY September 2020 – Present
<ul style="list-style-type: none">• Researching application of signal processing and machine learning techniques upon free-form motor imagery paradigms to develop a greater understanding of the decision-making pathways in the brain.• Applied MATLAB signal processing and machine learning (via metric learning) and the open-source Brainstorm source-imaging software upon EEG motor-imagery datasets.	
Tau Beta Pi Kentucky Alpha Chapter <i>Student Tutor</i>	Lexington, KY August 2020 – Present
<ul style="list-style-type: none">• Student tutor for courses in electrical engineering, computer engineering, computer science, and introductory freshman-level courses.	
Lexington Sister City Commission <i>Assistant Language Teacher</i>	Shinhidaka-chou, Hokkaido, Japan June, 2019 – July 2019
<ul style="list-style-type: none">• Flagship intern for a novel program in which the Lexington Sister City Commission sends University of Kentucky students versed in Japanese to teach English in the sister city of Shinhidaka-chou.• Assisted planning and teaching of English courses for all years of high school students. Also planned and conducted supplemental lectures in U.S. history.• Prepared students for the Ei-ken standardized English exam.• Interpretation and chaperoning for high-school exchange students from Lexington, KY.	
Valvoline World Headquarters <i>INSIGHTS Marketing Intern</i>	Lexington, KY July 2018 – December 2018
<ul style="list-style-type: none">• Organized marketing research for new internal library system.• Received award for greatest efficiency.	

AWARDS

Undergraduate Research Fellowship <i>University of Kentucky College of Electrical and Computer Engineering</i>	January 2021 – June 2021
<ul style="list-style-type: none">• Awarded \$5000 research fellowship to study pre-movement intention in EEG signals.	
Dean's List <i>University of Kentucky College of Electrical and Computer Engineering</i>	August 2017 – December 2020
<ul style="list-style-type: none">• Dean's List student for all terms at the University of Kentucky.	
Bluegrass Japanese Speech Contest <i>First Prize</i>	March 2018
<ul style="list-style-type: none">• First place winner for prepared anecdote about an inspirational educator.	
Patterson Scholarship <i>University of Kentucky</i>	August 2017 – Present
<ul style="list-style-type: none">• Full-ride scholarship with housing stipend to attend the University of Kentucky for National Merit Finalist status.	

EXTRACURRICULAR

President of Japanese Culture in Kentucky Society	August 2019 – Present
<ul style="list-style-type: none">• Organized events to connect University of Kentucky students with Japanese culture and exchange students.• Ran conversation tables weekly to facilitate English-Japanese language exchange.	

SKILLS**Programming:** MATLAB, Python, C/C++**Libraries:** MATLAB Signal Processing Toolbox, Python Keras & PyTorch, NVIDIA CUDA**CAD:** Multisim, EAGLE**Languages:** English, Japanese