

JONI SHASKA

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EDUCATION

University of Southern California Ph.D. in Electrical Engineering	Aug 2019
University of Michigan Bachelor of Engineering in Electrical Engineering Graduated summa cum laude Dean's Honor List: 2017 -2019	Jan 2017-April 2019
Michigan State University Bachelor of Engineering in Electrical Engineering	Aug 2015-Dec 2016

RELATED EXPERIENCE

University of Michigan, Programmer <ul style="list-style-type: none">• Wrote, trained, tested, and implemented a neural network used as part of a facial recognition software on a Raspberry Pi• Managed massive library of photos used for training and testing• Achieved 97% accuracy in testing and real time use	Jan - Feb 2019
University of Michigan, Researcher <ul style="list-style-type: none">• Studied the fundamentals of communication and information theory.• Wrote code and ran simulations to verify theoretical results.• Compiled and managed huge sets of simulation data.	April - Sep 2018
University of Michigan, Programmer	Sep - Dec 2017

- Worked on a four-person team to design and implement a software prototype in MATLAB to read and convert huge data sets of neural signals into finger movement.
- Design concepts included noise filtering, down-sampling, and Kalman filtering.
- Software had to be designed with hardware limitations in mind.
- Reduced hardware power consumption by a factor of 9 while maintaining high correlation between neural signals and movement.

Michigan State University, Researcher

Dec - May 2016

- Compiled and managed large data sets of stock and bond prices.
- Wrote and calibrated a two-dimensional version of the Merton model.
- Learned and displayed basic concepts of stochastic finance.

LANGUAGES

- English – native language
- Albanian – speak, read, and write with basic competence