◀Martynas Snarskis▶

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"Deep in the human unconscious is a pervasive need for a logical universe that makes sense. But the real universe is always one step beyond logic" – *Dune*, Frank Herbert

Education

Jan 2018 - Current | B.S. in Brain and Cognitive Science, **University of Rochester**
GPA: 3.72; Dean's List: *S-2018, F-2018, S-2019, F-2019;* Link to Transcript
Take 5 Scholar: Foundations of Mathematics and Formal Systems

Aug 2016 - Dec 2017 | B.S. in Computer Engineering, **Iowa State University**
Degree Not Completed – Transfer

Research and Work Experience

Nov 2018 - Current | Haefner Lab, University of Rochester
Researcher, Lab Manager
Organized lab meetings and reading groups. Designed and modeled psychophysics experiments to quantify how approximate human inferences are (experimental/computational); explored how uncertainty compounds for various evidence integration strategies (theory); explored how different stimulus statistics affected confidence judgement bias in the context of confirmation bias (theory/computational). Short mentoring experience.

Aug 2019 - May 2020 | BCS 206/207 Research Course, University of Rochester
Replicated a study investigating optimality of confidence judgements. Worked in a group to design and run an experiment, analyze results, and present as a poster.

May 2019 - Jan 2020 | FACTS.Lab, University of Rochester
Researcher
Can language embedding models capture type-coercion reading time effects? Worked with SOTA NLP models to directly predict reading times of linguistic corpora.

Jun 2018 - Aug 2018 | Brain Tool Lab, Duke University
Researcher, Engineer
Contributed to a prototype automated neurosurgical device, TumorCNC, for ablating cancerous tissue with lasers. Used machine learning to concurrently predict the concentration of multiple solutes in water from UV-Vis spectropgraphs.

Sep 2017 - Nov 2017 | MaizeGDB, Ames IA
Website Developer
Web design for global maize genetics database. Built tools to format/display results of back-end processes.

Aug 2015 - Aug 2017 | Vector Robotics, MEK Robotics
Software Designer, Engineer
Team for MATE Underwater Robotics Competition. Designed, developed, and operated an underwater Remotely Operated Vehicle (ROV). Headed design and implementation of electronics and software.
MATE Chicago Regionals: *2nd Place (2016)*; MATE Internationals: *20th Place (2016)*

Awards

May 2020	University of Rochester Discover Grant	$1500	May 2016	Illinois State Scholar Award
May 2019	Charles I. Keelan Memorial Award	$1900	May 2016	A.P. Scholar with Distinction
April 2019	University of Rochester Discover Grant	$1375		

Skills & Knowledge

Programming	MATLAB, Python, C/C++, HTML/CSS, Java; Torch, ScikitLearn, PsychToolbox, NLP, Git
Mathematics	Bayesian Models (Sampling & Variational), Neural Networks (LSTMs, Auto-Encoders), Statistics (Classic & Bayesian), Logic
Media/Design	LaTeX, Inkscape/Illustrator/Photoshop, Video Editing, Sound Design, Web Design