Jack M. Felag jfelag@uvm.edu

EDUCATION

University of Vermont (UVM) *Expected May 2019*
B.Sc. Computer Science & **B.Sc.** Mathematics
Minor in Physics

PUBLICATIONS

Mahoor, Z; **JMF**; Bongard, J. *Morphology Dictates a Robot's Ability to Ground Crowd-Proposed Language.* (in review) https://arxiv.org/abs/1712.05881

SKILLS

Genetic Algorithms, Evolutionary Computation, Python, C, MySQL, Java.

RELEVANT COURSEWORK

CS	295A	Combinatorial Algorithms	MATH	273	Combinatorial Graph Theory
CS	224	Algorithm Analysis & Design	MATH	173	Basic Combinatorial Theory
CS	206	Evolutionary Robotics	MATH	124	Linear Algebra
CS	201	Operating Systems	PHYS	256	Computational Physics
CS	125	Computability & Complexity			
CS	121	Computer Organization			

CONFERENCES

(Attended)	Hudson River Undergraduate Math Conference	April 8, 2017
(Presented)	Hudson River Undergraduate Math Conference	April 7, 2018

WORK EXPERIENCE

UVM Math Club Burlington, VT – May 2017 - Present
President: As president, I plan and lead meetings, designed website for the club.

UVM Department of Computer Science Burlington, VT – October 2016 - Present
Undergraduate Research Assistant: Currently, I work with other members of the lab on evolutionary robotics research projects. Topics include teaching robots natural language, studying robot morphology, and topology of artificial neural networks.

Dynapower South Burlington, VT – August 2017 - Present
Sales Intern: Supervised by part of the sales team, I created a GUI for data input, along with automating PDF reports with the information entered.

GZA GeoEnvironmental, Inc. Providence, RI – May 2016 - August 2016
Environmental Engineering Intern: At this internship, I had to collect samples and transport them to the lab, along with monitoring ambient air for high levels of certain substances. I also updated reports and used GIS software to update site maps.

UVM School of Engineering Burlington, VT – October 2015 - December 2015
Teaching Assistant: As a teaching assistant, I supervised a lab of 30 students using SolidWorks for ENGR 002: Graphical Communications. This involved showing students techniques in CAD, and helping them improve the basics of their engineering and design careers.