

EDUCATION

- 2018-2020 **University of Vermont**
M.Sc. Complex Systems & Data Science
- 2015-2019 **University of Vermont**
B.Sc. Computer Science
B.Sc. Mathematics
Minor in Physics

PUBLICATIONS

Mahoor, Zahra, **Jack Felag**, and Josh Bongard. "Morphology dictates a robot's ability to ground crowd-proposed language". arXiv preprint arXiv:1712.05881 (2017).

SELECTED COURSEWORK

University of Vermont: Graduate

- CS 387 Data Science II
CS 287 Data Science I
CS 228 Human-Computer Interaction

University of Vermont: Undergraduate

- | | | | | | |
|------|------|-----------------------------|------|-----|------------------------------------|
| CS | 295A | Combinatorial Algorithms | MATH | 273 | Combinatorial Graph Theory |
| CS | 224 | Algorithm Analysis & Design | MATH | 251 | Abstract Algebra I |
| CS | 206 | Evolutionary Robotics | MATH | 241 | Analysis in Several Real Variables |
| CS | 201 | Operating Systems | MATH | 173 | Basic Combinatorial Theory |
| PHYS | 256 | Computational Physics | MATH | 124 | Linear Algebra |
| PHYS | 128 | Waves & Quanta | | | |

CONFERENCES

Hudson River Undergraduate Math Conference
Presentation: *A Model of Gene Regulatory Networks*

Northampton, MA – March 2019

Hudson River Undergraduate Math Conference
Presentation: *Modularity in Graphs*

Canton, NY – April 2018

WORK EXPERIENCE

Morphology, Evolution, and Cognition Lab

Burlington, VT – October 2016 - Present

Research Assistant. Supervised by Dr. Josh Bongard, I worked on evolutionary robotics research projects.

www.meclab.org

UVM Math Club

Burlington, VT – May 2017 - Present

President. I plan and lead meetings, and designed the club website.

IBM

Essex Junction, VT – May 2018 - August 2018

Hardware Developer Intern. I worked with the wafer test team to reduce test time on an ASIC product. The algorithms I developed are also to be used to aid test time reduction on other products.

Dynapower

South Burlington, VT – August 2017 - January 2018

Intern. I created a GUI for data input that generated PDF reports for the user.

UVM School of Engineering

Burlington, VT – October 2015 - December 2015

Teaching Assistant. I supervised a lab of 30 students using SolidWorks for ENGR 002: Graphical Communications.