

ZACH ROTHENBERG

24 SULLIVAN RD, CAMBRIDGE MA 02138
(617) 388 2275 ZROTHENBERG1@GMAIL.COM

SUMMARY

Recent college graduate with strong theoretical math and machine learning research experience. Curious and self motivated learner interested in tackling challenging problems. Would like to obtain a position that would allow me to utilize existing programming expertise while continuing to develop knowledge.

EDUCATION

Swarthmore College, Swarthmore PA 2016–2020

- Bachelor of Arts with majors in Mathematics and Computer Science (3.76 GPA)
- Awarded High Honors in Swarthmore's uniquely rigorous honors program
- Graduate math experience: Abstract Algebra, Real Analysis, Complex Analysis, Topology
- Course work in Machine Learning, Natural Language Processing, Algorithms

EXPERIENCE

Swarthmore College, Swarthmore PA 2018–2019

Undergraduate Researcher

- Performed original research applying deep neural network models on DNA sequence data
- Gained experience understanding and implementing a variety of network architectures
- Investigated applying unsupervised language modeling to genomic data
- Independently selected and performed a literature survey of relevant academic papers

Swarthmore College, Swarthmore PA 2018–2019

Math Clinician

- Led a weekly drop in clinic providing help across all math classes offered at Swarthmore
- Gained experience in pedagogical techniques and effective technical communication

HereNow Systems, Cambridge MA 2017

Field Technician and Mobile Developer

- Directed a team of race timing technicians and livestream operators at rowing regattas
- Developed prototype live race results application for IOS using Swift

SKILLS

- Programming Languages: Python, Clojure(Script), C++, L^AT_EX, Emacs Lisp
- Technologies: Pytorch, Keras, NumPy, SciPy, scikit-learn, UNIX, git