

Ethan Otto

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PROFESSIONAL EXPERIENCE

Wellacopia

Rochester, NY

Web Dev/SEO Intern

June 2019 – August 2019

- Constructed and managed a WordPress community blog analyzed traffic with Google Analytics.
- Researched and wrote guidelines for writing articles to use SEO to meet our membership growth goals.

University of Rochester

Rochester, NY

Data Mining TA

September 2019 – December 2019

- Worked with students on planning projects and reviewing concepts in data mining
- Helped students with homework questions and graded assignments.

Dupont Industrial Biosciences, Genencor International

Palo Alto, CA

Data Modeling Intern

June 2018 – August 2018

- Explored historical datasets, researched applications of machine learning for protein engineering
- Built decision tree machine learning models and developed a python web application to facilitate data transforming and preprocessing for protein engineers.

University of Rochester

Rochester, NY

Research Assistant

February 2018 – April 2018

- Worked with Prof. Almudevar on his computational model simulating immune system responses to antigen presence.

Nazareth College

Rochester, NY

IT Intern

2017 – 2018 (when needed)

- Programmed an accessible Excel spreadsheet designed to keep track of client hours for graduate students in the Art Therapy Program. Gave in class presentations and troubleshooting support.

Slightly Edgy T's (Sole Proprietorship, Kickstarter Campaign)

Rochester, NY

Manager, Co-Designer, Marketer

June 2017 – August 2017

- Started a company with my brother to sell our T-Shirt Designs. Learned how to use Facebook and Google AdWords analytics to find target audiences for marketing.

EDUCATION

University of Rochester

Rochester, NY

Bachelor of Science: Data Science, Applied Math

Anticipated May 2020

Bachelor of Arts: Physics

Cluster Specializations: Theoretical Economics and Technology Ethics

GPA: 3.82

AWARDS AND ROLES

University of Rochester

- Dean's list (2020-2017)
- Awards: Research and Innovation Grant
- Member of Sigma Pi Sigma (Physics Honor Society)

UR Ethics Bowl Team

- Proud team member and tournament contestant in the Intercollegiate Ethics Bowl Competition hosted by the APPE. The tournament focus on solving challenging and specific ethical problems in tech and law.
- We won the Northeastern Regional Sprite Award in the 2019 and we will be competing in Nationals.

Undergraduate Data Science Council

- Communications Director (2018), Project Manager (2019)
- Helped organize and present for recruiting events, wrote emails, and found research opportunities for students.
- Gave hands on workshops in machine learning frameworks and algorithms like Tensorflow, NLP algorithms, and boosted decision trees.

CERTIFICATIONS

Certified Amazon Web Services Practitioner

Completed Microsoft Professional Program: Data Science

(These and additional courses in **Financial Engineering** and **Machine Learning** can be verified on my LinkedIn page)

<https://www.linkedin.com/in/ethan-otto/>