

Trent Yarosevich

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I am a recent graduate from the University of Washington's highly ranked Applied Mathematics program, where I bootstrapped myself to acceptance despite having no science degree. While there I studied data science, optimization, numerical linear algebra, and more, cultivating a passion for machine learning and working on various projects including unstructured datasets with over a billion elements. In addition to my technical expertise, my humanities background (M.A. in Philosophy) has afforded me the time to develop skills in critical writing and communication, which include an award at a professional Philosophy conference in 2014. My ultimate goal is to find employment in a data science role that works with cutting edge methodologies to utilize large datasets. I believe my educational background and history as a self-starter make me ideal for an early career position in this field.

Authorized to work in the US for any employer

Work Experience

Project: End-to-End Data Science Project with Deployed RDS and Dashboard

Personal Project

December 2020 to January 2021

This project took unstructured data with ~1 billion elements, converted it to (almost) normal form and deployed it in an RDS on AWS. I then implemented a CNN/RNN sentiment classifier with ~90% test set accuracy, and built an analytics app with plotly dash and deployed it on AWS. The dashboard app is here: <http://yelp-dashboard.eba-jpaf3bhg.us-east-2.elasticbeanstalk.com/>

Project: Removing Bias from Word Embeddings - Bootstrapping a Classifier

Personal Project

November 2020 to December 2020

This project elaborated on an academic paper that uses PCA to identify a gender subspace in word embeddings and then remove that subspace. I was curious to see if the results from this vector method could be used to generate a larger training set to build a classifier to detect biased word embeddings. The process was effective and the resulting classifier was ~80% accurate without any significant hyperparameter tuning. The project is located on git hub here:

https://github.com/tyarosevich/biased_embedding_classifier

Waiter / Wine Director

Mamnoon - Seattle, WA

November 2014 to March 2020

Coordinated wine purchasing and integrating wine-list concept, conducted staff training and maintained reference information for staff-wide service of wine. Was also a member of the core dinner waitstaff where I managed every aspect of guest experience.

Further service industry references are available, but I have omitted them for the sake of brevity.

Education

Master's in Applied Mathematics

University Of Washington - Seattle, WA

January 2018 to June 2020

Master's in Philosophy

Stony Brook University - Stony Brook, NY

September 2011 to May 2013

Bachelor's in Liberal Studies

Antioch University - Seattle, WA

October 2002 to March 2004

Associate of Arts in Philosophy/Sociology

University Of California - Berkeley, CA

August 2000

Skills

- Git
- Data Science
- GitHub
- Python
- Machine Learning
- SQL
- Mathematics
- MATLAB
- Natural Language Processing
- Data Analysis Skills
- Principal Component Analysis
- Microsoft SQL Server
- Regression Analysis
- Analytics

Links

<http://yelp-dashboard.eba-jpaf3bhg.us-east-2.elasticbeanstalk.com/>

<https://github.com/tyarosevich?tab=repositories>

<https://www.linkedin.com/in/tyarosevich/>

Awards

UC Berkeley - General Academic Honors

December 2000

At 19 years of age, after skipping a year of college and entering UC Berkeley as a Junior, I achieved general academic honors.

Best Paper by a Graduate Student

September 2014

At the 2014 International Association for Environmental Philosophy Conference I was the sole winner of the award for best paper by a graduate student.

Certifications and Licenses

SQL For Data Scientists

November 2020 to Present

Coursera certification in basic SQL data retrieval for Data Scientists.

Natural Language Processing with Classification and Vector Spaces

November 2020 to Present

Initial course in natural language processing with vector space models such as Naive Bayes.

Neural Networks and Deep Learning

December 2020 to Present

Introduction to Logistic Regression and small Neural Nets.

Convolutional Neural Networks

December 2020 to Present

Overview of Convolutional Neural Networks with applications in image recognition.

Assessments

Programming fundamentals — Proficient

January 2021

Designed by engineering managers and real-world employers, this test gives you hard data points to evaluate technical competency

Full results: [Proficient](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.