

Nikolai Tennant-Stambler

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EDUCATION and HONORS

Brown University, MSc

Master of Science: Data Science

Cumulative GPA: 4.00/4.00

Providence, RI

Expected October 2023

Brown University, BA

Bachelor of Arts: Concentration in History and Minor in Data Science (Certificate of Data Fluency)

Honors: Data Science Fellows Program

Cumulative GPA: 3.60/4.00

Providence, RI

May 2022

DATA PROJECTS

SenID: Deep Learning-Based Cellular Senescence Identification

Providence, RI

Brown University

January 2023 – May 2023

- Developed a novel deep-learning methodology that utilizes CNNs, cross-species data and nuclear morphology to effectively identify cellular senescence, opening up new possibilities for research on age-related diseases.
- Acquired 40,000 human and mouse senescent/cycling cells for extensive analysis, expanding beyond the scope of previous human-only studies.
- Outperformed previous studies achieving an AUC score of 0.96 using only 1/100th of the training samples typically employed.
- Explored cross-species senescence features with SHAP and Lime
- Achieved second place in a Hackathon with over 225 participants.

Machine Learning Model for Premier League Soccer Outcome Forecasting

Providence, RI

Brown University

September 2022 – December 2022

- Developed a machine learning model that forecasts English Premier League soccer match outcomes with 20% greater accuracy than the baseline.

Analysis of Crime Trends in Major U.S. Cities Using Cluster Analysis

Providence, RI

Brown University

September 2020 – December 2021

- Analyzed trends in crime in major U.S. cities over the past 40 years using cluster analysis to investigate how homicides clusters changed across three sample years.

PROFESSIONAL and LEADERSHIP EXPERIENCE

Incoming Data Scientist (Grad Scheme) at Dunnhumby

London, England

Data Scientist (Grad Scheme), Consumer Data Science

Incoming September 2023

- A global leader in customer data science & analytics for brands, grocery, retail pharmacy, and financial services, employing 500+ data scientists utilizing AI and machine learning for rapid, precise solutions.

Research Assistant at Singh Lab: Deep Learning Genomics Lab

Providence, RI

Researcher, Brown University

May 2023 – August 2023

- Engaged in cutting-edge research at the intersection of deep learning and genomics

Project Team Lead at Brown University Data Science

Providence, RI

Project Team Lead, Data Science Organization

September 2021 – May 2022

- Organized and coordinated a semester-long project for Brown undergraduates to complete a datathon, utilizing Spotify data to identify students' listening patterns.

Machine Learning Research Assistant at Brown University

Providence, RI

Research Assistant, Brown University

September 2021 – January 2022

- Organized course curriculum, designed engaging student activities, and developed a data ethics module for a machine learning-focused environmental studies course.

Digital Marketing Specialist at Speechify

Miami, FL (Virtual)

Digital Marketing Specialist, AI (text to speech) Startup

June 2021 – September 2021

- Animated, created, and edited advertisements using Adobe After Effects to display on YouTube, TikTok, and Instagram
- Advertisements received 150,000 views and increased in user engagement on Speechify website
- Spearheaded creation of Production Team to produce professional “shorts” promoting Speechify’s platform
- Improved quality and interactivity of social media advertisement videos through liaisons with social media influencers

SKILLS, ACTIVITIES, and INTERESTS

Skills: Proficient in Python, SQL, R, Tensorflow, ML/DL Pipeline, Data Engineering, Tableau, Data Analysis, Adobe Creative Cloud, and strong foundation in Linear Algebra, Statistics, and Calculus.

Languages: Fluent in English, Conversational Proficiency in French

Interests: Computational Biology, Genetics, Genomics, AI, Robotics, Deep Learning/ML, Lacrosse and Football (Soccer)

Other: Authorized to work for any US or UK employer (no sponsorship required – Dual Citizenship)