

# 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)