

Trevor Sullivan

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- Summary:** Focused and detail-oriented Natural Language Processing engineer offering exceptional knowledge of machine learning, big data, and information retrieval techniques with a specialty in predictive query analysis and a talent for developing innovative solutions to unusual and difficult problems.
- Skills:** Expert: NLP, Machine Learning, Python, Flask, Linux, Bash
Advanced: Scala, Docker, Nginx, REST
Intermediate: Perl, Kotlin, Java, SQL, Django, Javascript, Elasticsearch
- Accomplishments:**
- Developed commute tracking app that updates slack status with arrival time based on past performance at time of day and @PANYNJ_LT (Lincoln Tunnel) tweets
 - Developed heavy metal lyric generator with deep neural networks
 - Implemented Marjan Celikik's dissertation on fuzzy prefix search
 - Built website, documentation, database, and installer for APIL Autotrace
- Experience:**
- Ayfie Inc 5/2017 to 3/2020
Professional Services Engineer
- Served customer needs with classification, analysis, trend detection, and other machine learning projects
 - Built new Annotator product for instant contract annotation, highlighting several clause types and extracting important names and values
 - Created product demos with various public-access corpora, including Wikipedia, Supreme Court decisions, COVID-19 studies, and emails from Enron
 - Built a failsafe periodically updating search system for an academic press
 - Skills used: Python, Docker, Flask, Elasticsearch, SQL, GraphQL, Nginx, Kotlin
- VirtualWorks Inc 5/2016 to 1/2017
Thesis Intern
- Investigated the query analysis technology and compare performance
 - Implemented Marjan Celikik's method for indexing for approximate prefix search
 - Skills used: Java, Scala, Junit, Python, NLP
- Arizona Phonological Imaging Lab 10/2013 to 5/2016
- Developed GUI and installer for several project tools
 - Wrote manuals for each of the tools in the project
 - Built a website to house the manuals
 - Developed a new web-based database interface for inter-lab collaboration
 - Skills used: Javascript, Python, Jekyll, HTML, Django, Bash, TK, Linux, OSX
- Education:**
- University of Arizona 2017
Master of Science: Human Language Technology
- Coursework in machine learning, data science, information retrieval, AI, advanced computational linguistics, speech technology, natural language processing, syntax, semantics, pragmatics.
 - Thesis on approximate prefix search query prediction
- University of Arizona 2016
Bachelor of Arts: Linguistics, Computer Science

