Raymond Selent
Data Scientist

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Data Professional with strong Python and analytics skills, customer support and communication skills from 5+ years in IT consultancy, and a creative approach to problem solving honed from studies in film, broadcasting, and theatre. Open to relocating for the right opportunity.

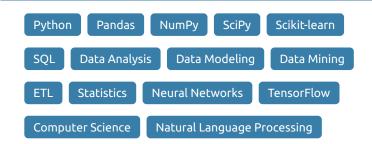## EDUCATION

Data Science
Lambda School
11/2019 - 08/2020   *Remote*

Theatre
University of Florida
08/2014 - 05/2018   *Gainesville, FL*

SKILLS

Python | Pandas | NumPy | SciPy | Scikit-learn

SQL | Data Analysis | Data Modeling | Data Mining

ETL | Statistics | Neural Networks | TensorFlow

Computer Science | Natural Language Processing

OTHER EXPERIENCE

Dramaturg
UF School of Theatre + Dance
01/2018 - 05/2018
The School of Theatre + Dance's mission is to develop in its students a foundation of professionalism and dedication to their art, forged within a climate of diversity, discovery, and risk

- Structured initial deep dive and ongoing contextual research & analysis of Restoration comedy *The Beaux' Stratagem* and all related topics
- Supported and empowered a **team of 24+** cast & crew members, generating head- and mind-space for greater artistry, imagination, and originality in all production-oriented workflows
- **Answered** questions & **presented** research findings, insights, and notes to cast & crew during daily rehearsals and production meetings

Virtual Chief Information Officer (vCIO)
Self-Employed
01/2006 - 01/2018
Advised & maneuvered SBEs & professional clients through new technology landscapes, offering IT infrastructure maintenance & forward-looking services

- Researched client requirements, interviewing & interacting with **technical & non-technical** personnel
- **Presented proposals** for reworking internal processes, linking IT systems with business objectives, and identifying likely impactful trends & opportunities
- **Built custom CRM software** (Python2.x) to meet own growing business needs & revitalize operations

DATA SCIENCE PROJECTS

Feelings Detector -- Data Scientist
(02/2021 - Present)   ...
- Building neural network model to **recognize & classify emotions** based on affective science principles, utilizing TensorFlow & OpenFace API
- Training classification model on dataset consisting of over 2400 CSVs, RAVDESS
- Implementing **vision pipeline** between OpenFace API output and classification model
- Designing visualizations that demonstrate how OpenFace API's 712 dimensions of output data contribute to emotion identification

Project Canopy -- Data Scientist Engineer
(03/2020 - 05/2020)   ...
- **Led & advocated for** 4-person data team within greater 14-member cross-functional project team
- Constructed **ETL pipeline** & processes: identified 20 APIs & sources to extract data from, performed EDA & made decisions about database structure, and warehoused data in AWS-hosted postgres database
- Created Machine Learning model that **predicted future endangered species** by exploiting observed gaps in incomplete data
- Road mapped project's 8 weekly development milestones side-by-side with Project Lead and **built data visualizations & prediction models** to influence & support product decisions & development

P-H-A Assistant -- Machine Learning Engineer
(12/2019)   ...
- **Hit project stretch goals:** built, evaluated, A/B tested, and deployed prediction model from unbalanced data to Heroku **within 4 days** while also learning & utilizing new technologies like Flask, Plotly, and Heroku
- Through highly **time-sensitive research**, strengthened domain knowledge to appropriately understand and analyze large-scale scientific dataset, sourced directly from NASA-JPL's Small-Body Database