

Raymond Selent

Data Scientist

Passionate, fast-learning Data Professional with strong Python, analytical, and hat-wearing skills, adding communication & customer service skills from 10+ years in IT consultancy and a creative approach to problem solving honed from studies in film, broadcasting, and theatre.

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EDUCATION

Data Science, Machine Learning, & Computer Science

Lambda School

11/2019 - 08/2020

Remote

- CodeSignal GCA Score: 651

Theatre

University of Florida

08/2014 - 05/2018

Gainesville, FL

OTHER EXPERIENCE

Dramaturg

UF School of Theatre + Dance

01/2018 - 05/2018

- Organized research & analysis of Restoration comedy *The Beaux' Stratagem* & 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
- Triaged questions from cast & crew and delivered answers, research findings, insights, and notes during daily rehearsals & production meetings

Virtual Chief Information Officer (vCIO)

Self-Employed

01/2006 - 01/2018

Advised & maneuvered SBE & professional customers through rapidly changing technology landscapes with customer-focused, white glove IT services

- **Partnered with business leaders** to understand needs & challenges and discover root causes
- Recommended **forward-looking actions**, linking IT with business objectives and identifying impacts of potential trends & opportunities
- Developed custom CRM software (Python2.x) to improve tracking of customer data

SKILLS

Python

Pandas

NumPy

Scikit-learn

AWS

SQL

ETL

Data Mining

Tableau

Statistics

Data Analysis

Data Modeling

Neural Networks

TensorFlow

Natural Language Processing

DATA SCIENCE PROJECTS

Feelings Detector – Data Scientist (02/2021 - Present)

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- Building neural network model that **recognizes & classifies emotions** based on affective science principles, utilizing & self-teaching TensorFlow and OpenFace API
- Training model on RAVDESS dataset, consisting of 2400+ CSVs
- Implementing computer vision pipeline between OpenFace API output and classification model
- Designing visualizations that **measure impacts** of new product features

Project Canopy – Data Scientist Engineer (03/2020 - 05/2020)

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- Led & advocated for 4-person Data team inside 14-member cross-functional Project team: established roadmaps & strategy with Project Lead and reassessed milestones when needed
- Collaborated & partnered with Stakeholders and Frontend, Backend, and UX teams to **create desired reporting platform & continually improve user experience** within 8-week timeline
- Architected & built custom ETL pipeline: identified 20 APIs & data sources, extracted & cleaned data, designed database structure, and warehoused data in Amazon RDS-hosted PostgreSQL database
- Executed on product request for model predicting future endangered species, by **exploiting observed gaps in cross-sectional data**

P-H-A Assistant – Machine Learning Engineer (01/2020)

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- Built, evaluated, tested, debugged, and deployed prediction model web app to Heroku **within 4 days** while also **self-teaching needed technologies** like Flask, Plotly, and Heroku
- Through time-sensitive research, strengthened domain knowledge to appropriately understand and analyze large-scale dataset, self-sourced from NASA-JPL's Small-Body Database