CHASE GOLDFELD
DATA SCIENTIST

Experience

Lambda School
Associate Product Lead
Remote — Nov. 2020 to Current
- Managed cross-functional products including product road maps, user stories, release calendar, and deployment plan for product migration to cloud via AWS Amplify, AWS Elastic Beanstalk, and AWS RDS
- Served as a liaison between stakeholders and product developers to ensure timely product releases based on stakeholder needs
- Implemented project decisions, achieving tactical goals while retaining a strategic focus
- Mentored and guided team leads and students through the Labs program to support the learning and professional growth of Lambda School students

Lambda School
Data Science Project Lead
Remote — Sept. 2020 to Nov. 2020
- Mentored, led, and communicated with 11 students through a cross-functional project via Agile (Scrum) workflow
- Hosted daily stand-ups for students on the project and weekly 1:1's
- Improved students problem-solving skills by working through live code challenges
- Reviewed each student's code and gave feedback on areas of improvement
- Provided support through live debugging and Q&A's for all ends of the project

Projects

Groa — May 2020
Groa uses machine learning to power an innovative recommendation engine that generates tailored movie suggestions to users based on their unique taste.
Tech Stack: Word2Vec | AWS | PostgreSQL | Google Analytics | FastAPI
- Engineered the Google Analytics API to collect, measure, and report key metrics to stakeholders with data visualizations
- Used Slack, Trello, and Notion to collaborate remotely with a team of four Data Scientists and five Web Developers over the span of four weeks
- Built the Groa API using the FastAPI web framework and serves recommendations using a Word2Vec Model
- Implemented the Groa database with PostgreSQL on the AWS Relational Database Service
- Utilized ElastiCache (running Redis) for caching and Elasticsearch service from AWS for searching
- Successfully improved Groa: 66% Decreased Bounce Rate | Improved Model Response Time of 300% | Increased Average Session Duration Time of 665%
- URL | https://www.groa.us
- URL to repo | https://github.com/Lambda-School-Labs/Groa-ds

Squall Hackathon — Jan. 2020
Squall is a mobile application that allows users in select cities to receive real-time extreme weather updates on their mobile phones via SMS.
Tech Stack: Heroku | SQLite | Twilio API
- Utilized Twilio's API and developed the back end using Python to mine and wrangle data to trigger SMS notifications to the user
- Collaborated remotely with a team of two Web Developers and one Data Scientist to build an MVP for a functional mobile application in 24 hours
- Architected the relational database management system with SQLite
- Deployed application using Heroku. URL | https://squallhackathon.herokuapp.com/
- URL to repo | https://github.com/AuFeld/SquallHackathonBackend

Market Prediction
Market Prediction makes use of machine learning to construct and train a neural network to predict the movement of a stock with time-series data.
Tech Stack: TensorFlow | Scikit-learn | Beautiful Soup
- Initiated a web-scrapper with Beautiful Soup that identified current S&P500 companies
- Created an ETL process with Python and scrapped S&P500 company names to import and wrangle data from yfinance
- Utilized Jupyter to construct the neural network architecture and trained the model by identifying days when the stock increased in price
- Recorded a 52.1% accuracy score and outperformed the baseline of 51.7% by hyperparameter-tuning with a grid search: epochs | batch size | learn rate
- URL to repo | https://github.com/AuFeld/Strategy_Testing

Contact

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Skills

MACHINE LEARNING
Regression
Neural Networks
Natural Language Processing
Statistics

COMPUTER PROGRAMMING
Python
Jupyter
Linux
Git
SQL

DATA VISUALIZATIONS
Google Analytics
Tableau
Seaborn
Matplotlib
Plotly

DATA MANAGEMENT, ENGINEERING, & DEPLOYMENT
RDBMS: PostgreSQL | Heroku | SQLAlchemy
Non-Relational DBMS: MongoDB
DevOps: Docker
Frameworks: Flask | FastAPI

COMPUTER SCIENCE
Data Structures
Algorithms

Education

Lambda School — Aug. 2020
Data Science

Florida Atlantic University — May 2010
BBA Business Management

Prior Work Experience

Real Estate Associate — 2015 to 2019
- Analyzed the residential real estate market in Palm Beach, FL
- Solved problems and educated clients with market data to make decisions tailored to their needs