VINCENT RAEREK

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RECENT PROJECTS

Social gaming network sony playstation

Social web app for gamers

- Designed and developed real-time social tool for gamers using Elixir/Phoenix, Clojure, Python, and Javascript

TrendRank event prediction popsugar.com

Analytics dashboard tracking editorial content performance across social media

- Wrote Python back end server architectures using Flask and Django frameworks
- Built front end architecture with React and Typescript
- Developed NLP tool for classifying editorial content by topic and market vertical
- Using Apache Spark, designed and implemented pipeline for ETL operations and statistical modeling and analysis (machine learning) of large-scale media data

Multi-source real-world event analysis ban.jo

Geolocation service providing location and event data to emergency services

- Designed and developed multi-source data ingestion system in Python for performing real time classification and predictions
- Performed NLP processing of data from emergency service and social media updates to classify and geolocate messages
- Developed metrics dashboard for visually communicating live data pipeline status and performance metrics using Javascript and Python

Headspace ETL headspace.com

Data ingestion pipeline handling company-wide data

- Designed and developed distributed ingestion pipeline for ETL using Apache Spark, Scala, MySQL, DynamoDB and AWS S3

PROFESSIONAL EXPERIENCE

Sony Interactive Entertainment — *Software Engineer II*

Aug 2019 - Aug 2020

- Developed interactive web experiences using a variety of languages and tools, including Elixir/Phoenix, Clojure, Python, Javascript, PostgreSQL, and Neo4j

Headspace — *Software Engineer II*

Aug 2018 - Feb 2019

Banjo — *Machine Learning Engineer*

Jan 2018 - May 2018

- Developed ML pipelines to classify text, images, and audio for use in large-scale location-based data aggregation service

POPSUGAR — *Software Engineer II*

2015 - 2017

- Designed and developed full stack analytics web product (TrendRank) from conception to launch using a combination of Python, React, Typescript, mySQL and Apache Spark
- Designed and developed REST API for data query service
- Contributed to PHP backend and Angular frontend of large-scale media blog

TECHNICAL SKILLS

Strong: Elixir, Phoenix, Typescript, Python, SQL

Experienced: Rust, Clojure, MongoDB, Neo4j, Apache Spark

EDUCATION

Stanford University on Coursera, Machine Learning Certificate
WNA7KK8RWWHD
2016

Hack Reactor, Advanced Software Engineering Immersive
2015

Johns Hopkins University, Neuroscience
2014-2015

University of Hawaii, BA Psychology
2005-2008

ABOUT ME

I have a unique background as a US Navy veteran, former neuroscience PhD student, and video game fan. Apart from this, I'm interested in statistics, natural languages, and reading scifi/fantasy. I'm currently reading the Dark Tower series.