VINCENT RAEREK

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RECENT PROJECTS

Headspace ETL headspace.com

Data ingestion pipeline handling company-wide data

- Using Apache Spark and Scala, designed and implemented pipeline framework for ETL operations across all company data sources
- Migrated data from previous ingestion platform on AWS using Scala and SQL

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

TrendRank event prediction popsugar.com

Analytics dashboard tracking editorial content performance across social media

- Using Apache Spark, designed and implemented pipeline for ETL operations and statistical modeling and analysis (machine learning) of large-scale media data
- 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

PROFESSIONAL EXPERIENCE

Headspace — *Software Engineer II*

Aug 2018 - Feb 2019

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

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
- Contributed to PHP backend and Javascript frontend of large-scale media blog

US Navy — *VLS Technician* — 3rd Class Petty Officer, Gunner's Mate

2001 - 2005

TECHNICAL SKILLS

Strong: Python, Clojure, Scala, Javascript, SQL, AWS, Apache Spark

Experienced: Haskell, Java, MongoDB, Machine learning algorithms

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'm actually quite passionate about software design, and I devote a large portion of my free time to studying ways to optimize. Apart from this, I'm interested in statistics, natural languages, and reading scifi. I'm currently reading the Dark Tower series.