Yuval Timen

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GitHub: https://github.com/yuvaltimen

B.S Mathematics, Honors College
Northeastern University

Class of December 2020 (Boston, MA)
GPA: 3.67/4.0

Skills/Technologies

Languages/Framework
- Java, Spring, Spring Boot, IntelliJ
- Project Reactor, Mockito, JUnit
- Python, NumPy, Pandas, Jupyter
- Django, Flask, FastAPI
- Seaborn, Matplotlib
- Airflow, ETLs, DAGs, Cron
- NLTK, Scikit-Learn, Keras
- Tensorflow, PyTorch

Databases
- SQL, MySQL, PostgreSQL
- GeoSpatial MySQL, PostGIS
- NoSQL, MongoDB, Vertica
- Hive, Spark, PySpark, HDFS

Other
- Elasticsearch, Kibana, Logstash
- Kafka, RabbitMQ, Pub/Sub
- Docker, Containerization, K8s
- Redis
- CI/CD, Bamboo
- gRPC, Protocol Buffers
- Linux, macOS
- Git
- GCP, AWS, Terraform

Software Data Engineer, KAYAK

March 2022 – Present
- Implemented parallel and non-blocking paradigms resulting in >96% reduction in Hotels/Cars/Restaurants indexing time
- Modernized Hotel document-matching server using in-house Python ML framework and data linkage best practices
- Reduced complexity of Java data feed ingestion pipeline, decreasing failure rate by >62% and increasing test coverage by 35%
- Deployed production MySQL database and Java service to efficiently request geo data using GeoSpatial MySQL indices
- Designed, created, and maintained multiple Vertica tables and indices for admin activity tracking and reporting

Software Engineer, Gryphon.ai

March 2021 – March 2022
- Integrated Google's DialogFlow and Contact Center AI into sales calls for real time intent detection
- Curated sales call transcript datasets to train Natural Language models to predict multiple key progress indicators
- Extended functionality of Java Websocket application to handle large data streams from cloud-native applications
- Collaborated with Data Science/Machine Learning team on model performance and active learning pipeline development

Head Teaching Assistant, Khoury College of Computer Science

Jan. 2019 – Dec. 2020
- Led lab sections for the Fundamentals of Computer Science 2 course, both accelerated and regular sections

Software Engineering Co-op, Wayfair

July. 2019 – Dec. 2019
- Implemented Beam Search algorithm as a contribution to a research paper on Neural Program Synthesis