

# Yuval Timen

Phone: +1(201)-981-1124

Email: [yuvaltimen@gmail.com](mailto:yuvaltimen@gmail.com)

LinkedIn: <https://www.linkedin.com/in/yuval-timen>

GitHub: <https://github.com/yuvaltimen>

## Experience

### Software Engineer, Transformity

Oct 2024 – Present

- Played a key role in technical, business, and strategy decisions affecting revenue and product-market fit
- Owned deployments for business critical iOS and Android mobile apps, used by hundreds of customers
- Owned customer support, feature implementation, and bug fix requests for a chain of liquor stores
- Designed and shipped dozens of Backend, Frontend, and Mobile features, affecting 60+ stores and hundreds of customers

### Software Data Engineer, KAYAK

March 2022 – July 2024

- Reduced indexing time by >96% for Hotels/Cars/Restaurants indices by implementing parallel and non-blocking paradigms
- Overhauled Hotel document-matching server using in-house Python ML framework and data linkage best practices
- Decreased failure rate by >62% and increased test coverage by 35% by simplifying Java data feed ingestion pipeline
- 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

## Skills/Technologies

### Languages/Frameworks

- Java, Kotlin, Spring, Spring Boot
- Project Reactor, Mockito, JUnit
- React, React Native, TypeScript
- 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
- Google BigQuery
- Amazon RDS

### Other

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

## Education

B.S Mathematics Northeastern University

*Honors College Class of December 2020 (Boston, MA)*