

# Elias Mendel

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## EXPERIENCE

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### Warner Bros. Discovery (originally HBO Code Labs, Inc.)

January 2021 - June 2023, Remote

#### Software Engineer 2

- Scaled three ingestion services from 500 total pods in one region to 10,000+ pods across 5 clusters in different regions with hundreds of nodes.
- Improved data pipelines and storage solutions as data throughput scaled from gigabytes a day to terabytes a day, and stored data reached 10+ petabytes.
- Shifted data pipelines from SQS S3 to Kafka. Limited the impact of leader reelections as clusters scaled and unscaled, managing a latency SLA of 30 seconds and average latency of 1 second.
- Built an event viewer and validation tool that proxied real time traffic. Provided detailed information about requests, decoded headers and tokens, and validated against jsonschemas.
- Supported cluster upgrades and migrations, with writing Kubernetes, Terraform and Helm files.
- Built out data privacy functionality for GDPR and LGDP compliance in data ingestion process.
- Migrated the team from manual dashboards to dashboards as code.
- Served as On Call Engineer 24/7 every 4-7 weeks and led multiple incident responses and write ups.
- Created design proposals for new features and presented them to senior management.
- Ran stand-ups and specced out JIRA stories for new epics (features).

### Le Pain Quotidien (PQ Licensing S.A.)

May 2019 - March 2020, New York, NY

#### Analytics Data Integration Developer

- Created a Central Data Warehouse (CDW) with daily ingestion of 130 multinational stores' data.
- Integrated three major Point of Sales systems into the CDW as well as relevant vendor databases.
- Set up and ran all production code in terraformed EC2 instances and Lambda functions.
- Automated labor collation for payroll and invoice importing, saving 96 GM's an hour a day.
- Provided data analytics and visualization help for finance and marketing.

### LiveStories (GEOCKO, INC.)

June 2018 - August 2018, Seattle, WA

#### Data Science Intern

- Responsible for ingestion, interpretability, and quality of government financial data for LiveStories.
- Built their first ML analytics tool to predict crime hotspots based on demographics, achieving 85% accuracy and an AUC of 0.71 using a gradient boosting decision tree.

### Porch.com, Inc.

January 2018 - June 2018, Seattle, WA

#### Software Engineer Intern - Sponsored Capstone for Informatics

- Developed a lawn area predictor service using a Python with Flask backend and React.js frontend.
- Used Google API's, Government data, GIS packages, and Computer Vision to isolate and determine the size of a property's lawn to within 20%, allowing pricing based on lawn area instead of lot size.

## EDUCATION

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### University of Washington, School of Information

Seattle, WA

Bachelor of Sciences, Informatics

September 2014 – December 2018

### University College London, Department of Computer Science

London, United Kingdom

Study Abroad

September 2016 - June 2017

## SKILLS

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Cloud Platforms - AWS | EC2, S3, RDS, Lambda, Boto3, SQS, ALB

Programming Languages - Python, SQL, JS, Node.js, React.js, Java, R

Technical Competencies - Git, Docker, Terraform, Snowflake, Kubernetes, Kafka