JOSIE ESHKENAZI

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TECHNICAL SKILLS

Languages	Bash Shell, C++, git, Java, JavaScript, Python, Scala, SQL
Data tools	Airflow, Datadog, Dynamo, Hive, MySQL, PostgreSQL, RabbitMQ, Redis, Spark, SQS, S3
Other tools	AWS, Docker, JDBC, Make, Microsoft Developer, Play Framework
Concepts	BDD, Data Structures & Algorithms, Functional & OOP, MVC, REST APIs, TDD

EXPERIENCE

Autodesk Inc. *Backend Engineer Intern*   *Sept 2019 - Present*, San Francisco
- Leading the API design of the newest feature of Autodesk Construction Solutions' PlanGrid application: working closely with developers and engineers to optimize payload transfers, authentication, and offline sync capability.
- Transitioning monolithic code to microservice architecture of GraphQL and RESTful APIs to improve flow of company's CI/CD and expedite future extendibility of services and feature releases.

TunnelBear Inc. (acquired by McAfee) *Backend Developer Intern*   *Jan 2019 - May 2019*, Toronto
- Deployed asynchronous RESTful microservices in Scala and Java of the TunnelBear VPN back-end infrastructure.
- Improved average server response times across client-facing endpoints with server-side cache optimizations.
- Took part in building out secure and robust client-server authorization protocol following OAuth 2.0 framework.
- Shipped Functional, scalable code in adherence with rigorous privacy and security benchmarks to deliver a VPN product that met security and load demands of large-scale clients/partners, specifically Samsung and Verizon.

TunnelBear Inc. (acquired by McAfee) *Data Engineer Intern*   *May 2018 - Sept 2018*, Toronto
- Improved data processing speed by over 200% through redesign of tables and entities, database indexing, moving appropriate data to distributed clusters and performance optimization of SQL queries.
- Developed automated, fault-tolerant ETL pipelines in Python using Apache Airflow and Apache Spark for the delivery of meaningful data to the marketing and analytics teams. Also assisted in data analysis and presentation.
- Aggregated, processed and stored real-time data from relational and NoSQL databases using AWS tools.

Finastra *Software Developer Intern*   *Sept 2017 - Dec 2017*, Toronto
- Shipped internal server-monitoring app for company-wide diagnostics which cut down monthly downtime by 50%.

PROJECTS AND EXTRACURRICULARS

Webpage Summarizer Chrome Extension ⇢ 🯅   *Jan 2019 - Present*
- Extracts and sends relevant text from a web page to a remote Python server which passes it through Word Tokenizer and PorterStemmer from the NLTK library. Generates a Natural Language summary of page contents.

Form Auto-Filler for TunnelBear's RememBear™ Password Manager   *Jun 2018 - Aug 2018*
- Re-trained the CRF model behind application's form detection and auto-fill functionality. By applying feature analysis, accuracy was increased from 80% to 95%, and model reached an F1-Score of 98% on test data set.
- Python Machine Learning libraries used include CRF Suite, SVM and Feature Selection from Scikit-Learn.

GrubIt ⇢ *EngHack - Winner of Food Category*   *EngHack 2018*
- A social "food-matching" web application using Google Maps API, Yelp API and NLTK to conduct sentiment analysis on reviews and poll each group member's preference to direct to best nearby eatery.

Undergraduate Research Assistant *Amazon Alexa Developer*   *May 2019 - Aug 2019*
- Automated email-sending and meeting-scheduling through Alexa smart assistant API using Node.js, and AWS.

EDUCATION — University of Waterloo

Systems Design Engineering	3B term
Candidate for Bachelor of Applied Science	Apr 2021

HOBBIES AND INTERESTS

Rock guitar, museum hopping, dog petting, hiking, sightseeing, salsa dancing.