JOSIE ESHKENAZI

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SKILLS

Languages	C++, Java, JavaScript, Python, Scala, SQL
Concepts	BDD, Data Structures & Algorithms, Functional & OOP, MVC, REST APIs, TDD
Tools	Airflow, AWS, Microsoft Developer, MySQL, Play Framework, Redis, Spark, Unix

EXPERIENCE

TunnelBear Inc.   Toronto, ON
Back-End Developer   *Jan 2019 - Apr 2019*
· Deployed asynchronous RESTful services 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.
· Assisted in building OAuth 2.0 Token-Based Authentication for secure, robust client-server communication.
· Shipped Functional, scalable microservices in adherence with rigorous privacy and security benchmarks.
· Worked in Agile environment to test and deliver VPN product for clients including Samsung and Verizon.

TunnelBear Inc.   Toronto, ON
Data Engineer   *May 2018 - Aug 2018*
· 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.
· Aggregated, processed and stored real-time data from relational and NoSQL databases using AWS.

Finastra   Mississauga, ON
Software Developer   *Sept 2017 - Dec 2017*
· Designed and shipped internal server health-monitoring app built in .NET which reported and logged the status of servers and microservices for company-wide infrastructure diagnostics.
· Developed enterprise code for the Collateral Guard™ loan tracking solution, using Microsoft Developer Tools.

PROJECTS AND EXTRACURRICULARS

Undergraduate Research Assitant - Amazon Alexa Developer   *May 2019 - Present*
· Working under professor in Faculty of Engineering to develop custom Alexa Skill to automate email sending and scheduling of meetings through a smart voice assistant. Tools used are Node.js, AWS and Alexa API.

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

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 to generate a Natural Language summary.

GrubIt →   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.

EDUCATION

UWaterloo Systems Design Engineering   3A
Candidate for Bachelor of Applied Science Apr 2021

HOBBIES AND INTERESTS

Rock guitar, museum hopping, dog petting,
mountain hiking, and sightseeing