

Elai Mizrahi

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EDUCATION

University of Waterloo

Aug. 2022 – May 2027

Bachelor of Software Engineering, Specialization in Artificial Intelligence

Waterloo, ON

- Cumulative AVG: 81%
- Elected as Academic Representative to advocate for the 2027 class of Software Engineering
- **Courses:** C++, C, compilers, data structures & algorithms, digital logic & computers, formal verification

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, C, Java, Go, SQL, Terraform, Swift, VHDL, HTML, CSS

Frameworks: React, MongoDB, Django, AWS, Node.js, Postgres, Docker, Tensorflow, Firebase, Celery, Elasticsearch

Developer Tools: Git, GitHub, VS Code, Trello, Pytest, Jira, PowerBI, Linear, Github Actions, Google Colab

Libraries: Pandas, NumPy, Matplotlib, DjangoRestFramework, Parcel, Node, Vue, OpenCV

EXPERIENCE

Software Engineering Intern

Jan. 2024 – Apr. 2024

Avante.io

Toronto, ON

- Directed **Consili** product to generate summarized news articles with **React**, **Django**, **Terraform**, and **AWS**
- Created **Django** and **Postgres** back end, enabling **1000+** API calls per second for data analysis and creation
- Improved failing **AWS** lambda scripts using **Terraform** and **Python**, increasing uptime by **50%**
- Curated personalized news timelines by extracting articles into **AWS S3** with **Python**, **Terraform**, and **Django**
- Leveraged and trained **AI Models** to summarize and analyze articles, delivering their contents and rationales to users with interests in the same topics by using **OpenAI**, **Python**, **Django** modelling, **SQL**, and **AWS S3**
- Addressed **200+** requests for improvements across the code base including new **Github Actions**, **Pytest** suites, **React** development, **Django** models, **Terraform** infrastructure, and **AI modelling**

Software Engineering Intern

Apr. 2023 – Aug. 2023

Secoda (YC S21)

Toronto, ON

- Engineered and designed command palette feature using **React**, **Typescript**, and **Python** to provide fast navigation and resource creation to **100+** companies
- Integrated Jira issues directly into Secoda using **Python** and the **Jira API**, importing **100+** issues per second
- Extracted stored procedures from **MySQL** and generated lineage from the **SQL** query for their respective tables using **Python**, **Django**, and **SQL** to provide query metadata between resources
- Introduced new **PowerBI** authentication to extract company metadata in under **30 seconds** by using the **Microsoft Azure API**, **Python**, and **Django** to allow for non-admin PowerBI integration

Software Developer

Sep. 2022 – Apr. 2023

University of Waterloo Alternative Fuels Design Team

Waterloo, ON

- Researched methods of creating 3D model of automotive interiors using **Blender** and **Python**
- Completed tasks in a timely manner to prepare the design team for upcoming integration with Cadillac Lyric
- Used **Git** and **Github** tooling to ensure high-quality code production in an agile development environment

PROJECTS

gotchi.ai - UofTHacks | *React, Python, MongoDB, Node.js, Javascript, Cohere*

Jan. 2024 – Jan. 2024

- * Developed a Chrome extension for efficient studying with **React**, **Node.js**, **MongoDB**, and **Cohere API**
- * Integrated an AI chatbot and summarizer for information lookup in under **5 seconds** using **Cohere API**
- * Created notes feature using a **MongoDB** database and **Node.js** back-end to store **100+** notes per user

Encore | *ReactJS, RESTFUL API's, Javascript, HTML, CSS, Node.js, MongoDB*

Jan. 2023 – Mar. 2023

- * ReactJS web application allowing users to save music reviews using **ReactJS**, **REST API's**, and **GET** requests
- * Connected application to **MongoDB** and **Node.js** back-end, storing and analyzing user's music selections
- * Allowed for user authorization using the **Spotify Web API** while saving data locally through **Node.js**

AWARDS & EXTRACURRICULARS

Math Contests: Euclid Math Contest Top 25%, score of 71/100, CSMC Math Contest Top 25%

Waterloo Collegiate Institute: Award of Excellence, 25th Anniversary Award, Jewish Student Association Founder

Extracurriculars: UW Startups Club, Intramurals Volleyball, 4x Volleyball National Medallist