

Omri Daniel

+1 (647) 762 4138 | omri.daniel@mail.utoronto.ca | github.com/omridaniel | [in linkedin.com/in/omri-daniel](https://in.linkedin.com/in/omri-daniel)

EDUCATION

University of Toronto - St. George Campus

Honours Bachelor of Science (HBSc)

Sept 2019 – June 2023

3.82 cGPA

- Computer Science Specialist (Focus in Web and Internet Technologies)
- 1 of 25 members** in the [Technology Leadership Initiative](#) cohort completing industry-integrated courses, strong leadership development, and a deep understanding of the technology landscape

[Transcript and Courses](#)

SUMMARY OF QUALIFICATIONS

Languages: Python, Java, JavaScript/Typescript, Git, HTML, CSS, SQL, Unix/Bash, GraphQL, ~~TeX~~, C, Assembly

Libraries, Frameworks, & Tools: React, NodeJS, Sass, AWS, Jira, Figma, Zeplin, Adobe Photoshop, Adobe Illustrator

WORK EXPERIENCE

Amazon - AWS Macie Team, Software Developer Engineer

May 2022 – August 2022

- Improved detection of sensitive data in **S3** buckets for the 3rd largest file type with over 7TB of data processed a month
- Wrote a data-driven design document to justify the project proposal and outline the technical details of 4 new heuristics
- Developed a new data processor and implemented the heuristics to improve the **Machine Learning** algorithms' accuracy (F1 score) by 20%+ and conducted thorough **Java** unit and integration tests using **JUnit** and **Google Guice**

University of Toronto - Department of Computer Science, Teaching Assistant

Sept 2021 – May 2022

- Taught students Unix scripting and C programming in CSC209, leading tutorials and office hours
- Mentored 48 students in CSC207 to design maintainable software architecture and write clean code in **Java** through tutorials on design patterns and SOLID principles

Konrad Group - Web Team, Associate Software Developer

May 2021 – August 2021

- Updated an internal tool consisting of 20 micro services used to manage **500+ employees** alongside a team of 10 developers
- Implemented features such as new user restrictions to the **NodeJS** back end server and wrote production-level **React** and **Sass** to push design updates to the custom UI Component Library based on **Figma** designs

The Entrepreneurship Hatchery, Web Developer

October 2020 – January 2021

- Developed a **Python** web scraper using **Beautiful Soup** and **Selenium** to aggregate 5 search results for a new **REST API** endpoint
- Researched **Natural Language Processing** libraries that can be used to find similarities between resumes and job requirements

Seer Professional Music, Freelance Web Developer and Graphic Designer

October 2020 – November 2020

- Hosted an online music library with **WordPress** to allow users to preview and download over 1250 songs hosted on **AWS S3**
- Designed a logo and wrote **CSS** for the website; view the logo design process and image of the final website [here](#)

Kids Great Minds, Web Developer

June 2020 – September 2020

- Deployed a **WordPress** website with a redesigned UI and UX of 20+ web pages in **Figma** and implemented using **HTML** and **CSS**
- Developed **PHP** and **JS** files to implement newly requested features, such as filtering through over 200 available courses

PROJECTS

Teacher's Portal – Full-Stack App

Hypatia Systems

Front End Developer

github.com/ushinghal19/teachers-portal

- Allows teachers to track students progress on assignments by providing them with informative statistics in real-time
- Developed using **React**, **Sass**, **Python**, Hypatia CheckMath API and a **GraphQL API** server built with **Django** and **MongoDB**

Project TWO-X – App Prototype Design

The Design of Interactive Computational Media (CSC318)

UX Designer

[View our Demo](#)

- An interactive virtual campus experience to improve students well-being during online education
- Awarded **1st place** out of 50 teams in the design competition judged by IBM and Facebook UX experts
- Followed a diverge-converge design process to iterate over [the prototype](#) based on data from usability tests, observations, etc.

Student Success Center – Web App

Software Developer and Project Manager

- A toolkit designed to assist 41,000+ students with tracking grade calculations and finding the right university program
- Created **Python** web-bot to get user grades and **Beautiful Soup** scraper to fetch 2,300+ university programs and requirements

EXTRACURRICULARS



- The Good News - QHacks 2021 Hackathon, awarded **Second Place Overall** and **Best Domain Name**
- Computer Science Student Union - Director of External Relations (2021) Orientation Leader (2020)
- Student Experience Mentorship Program - Mentor for UoF's new Director of Academic Success (2020)

[DevPost Project](#)



- Kontra Application Security Training for Node JS Web Apps (2021)
- Coursera Introduction to HTML5 from University of Michigan (2020)
- Coursera Build an E-commerce Dashboard with Figma (2020)

[Certificate Link](#)

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