

DANIEL LAUFER

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Education

University of Toronto

Sept. 2019 - Present

Specializing in computer science and information security; minoring in mathematics

Honours Bachelor of Science; currently in my third year and expecting graduation in June 2024

3.88/4.0 CGPA (88% average)

Experience

Full Stack Developer

Sep. 2021 - Present

Wealthscope

- * Developing back-end APIs using the Django REST Framework; developing front-end applications with React and Redux
- * Created Django commands to process and upload large amounts of financial security data to AWS RDS
- * Designed and created the new 'Retirement Blueprint' planning tool on Wealthscope's 'Advisor' platform
- * Improved the local development environment by creating new Docker containers to run all components of the application's infrastructure locally to streamline the process of full stack development
- * Technologies used: React, Redux, Django, Django REST Framework, Python, Pandas, AWS, Docker, PostgreSQL, Jira
- * *Please visit my LinkedIn page for a more up-to-date job description as I continue to work at Wealthscope*

Google Developer Student Club Technical Lead

Aug. 2021 - Present

Google Developer Student Club at the University of Toronto's Mississauga Campus

- * Hosting biweekly technical workshops for students on topics including Git, Docker, AWS, and more
- * Empowering students to expand their knowledge in technology and build solutions for their local communities

Research Assistant

Sep. 2021 - Oct. 2021

Schulich School of Business, York University

- * Used Google Cloud's Compute Engine and Cloud Storage to gather all comments made by Reddit users on the subreddit 'Wall Street Bets' during the years 2019-2021
- * Created a scalable, easy-to-use, and powerful data collection system through creating python scripts to start up and evenly distribute the processing load amongst multiple docker containers running on the Google Cloud Compute Engine

CSC148 Teaching Assistant

Jan. 2021 - May 2021

University of Toronto

- * Led weekly tutorial sessions, assisted professors in lectures, and marked assessments
- * CSC148 teaches object-oriented programming in Python, asymptotic analysis of algorithms, data structures, and more

Projects

Kubernetes Flashcard App | GitHub [here](#)

- * *Technologies:* Kubernetes, Docker, AWS RDS, AWS S3, PostgreSQL, GKE, Travis CI, Node.js, React, Skaffold, JWT
- * A web application that allows users to create and share personalized collections of flashcards to assist themselves and others in studying for assessments, learning new languages, and much more
- * Created a microservice system architecture that separates the app into loosely coupled, independently deployable/scalable components which are tied together and accessible through an API Gateway
- * Created a CI/CD pipeline using Travis CI to deploy this application to a GKE Kubernetes cluster

The Textbook Exchanger | GitHub [here](#)

- * *Technologies:* React, Redux, Javascript, HTML, CSS, Firebase, Firestore
- * An online marketplace that facilitates the process of purchasing and selling textbooks among students
- * Created a RESTful API to perform CRUD operations on data and connected it to a React front-end

Interactive Pathfinding Algorithm Visualizer | GitHub [here](#)

- * A visualization, created with Python, of several pathfinding algorithms including A* and Dijkstra's algorithm

XMODEM File Server | CSC209 Systems Programming Project at the University of Toronto

- * A server, written in C, capable of transferring files to multiple clients simultaneously using the XMODEM transfer protocol

Technical Skills

Programming Languages/Frameworks/Libraries: Python, PostgreSQL, React, Redux, Java, C, Javascript, Node.js, Express.js, MIPS Assembly, Django, Django REST Framework, Pandas, Matplotlib, HTML, CSS

Cloud/OS/Tools: AWS, Google Cloud, Linux, Docker, Kubernetes, Firebase, Travis CI, Git, Jira, Skaffold

Certifications: [AWS Certified Cloud Practitioner](#)

Other: OOP, Software Design Patterns, Software Development Life Cycle, Agile Software Development, SCRUM, TDD

Languages: English (Fluent), Polish (Conversational), French (Basic)

Relevant Coursework

University Courses: Software Design with Java, Data Structures and Analysis, Systems Programming (Linux, Bash, C), Computer Organization/Architecture (MIPS Assembly), Theory of Computation, Introduction to Computer Science, Probability and Statistics, Linear Algebra I & II, Multivariable Calculus

Other: Modern React with Redux, Database Design & PostgreSQL, Intermediate PostgreSQL, The Complete Guide to Docker and Kubernetes, Introduction to Data Science with Python, Applied Plotting/Charting & Data Representation with Python. *Please visit my LinkedIn page to learn more about these courses.*

Awards and Achievements

* University of Toronto Mathematical and Computational Sciences 2020-2021 Honour Roll	Jun. 2021
* University of Toronto Dean's List Scholar	Sep. 2020
* University of Toronto Scholar	May 2019
* ECOO Programming Competition Semifinalist	Apr. 2019
* Finished first place in my school board at the Halton Skills Competition for Robotics	Apr. 2019
* Ranked in the top 25% of all contestants at the Canadian Computing Competition	Feb. 2018