


DANIEL LAUFER

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🏠 daniel-laufer.github.io 📍 Toronto, Ontario, Canada

TECHNICAL SKILLS

Programming Languages/Frameworks/Libraries: C, C++, C#, Python, Java, SQL, PostgreSQL, React, JavaScript, Django, Django Rest Framework, Node.js, Express.js, MongoDB, Assembly (MIPS & RISC-V), HTML, CSS.

Cloud/OS/Tools: AWS, Google Cloud, Linux, Docker, Kubernetes, Firebase, Git, GitHub/GitLab, GitHub Actions, Travis CI.

Certifications: AWS Certified Cloud Practitioner.

Relevant Courses: Information Security, Computer Networking, Software Engineering, Databases, Web Programming.

EDUCATION

University of Toronto (UofT)

Sept. 2019 - Present

Honours Bachelor of Science (HBSc).

Specialization in Computer Science with a concentration in Information Security; Minor in Mathematics.

4th year, 3.9/4.0 CGPA (90% average).

EXPERIENCE

Software Engineer Intern

May. 2023 - Present

Advanced Micro Devices (AMD)

- Developing applications using C# & .NET used to streamline software performance analysis and optimization for AMD hardware.

Computer Science Teaching Assistant

Jan. 2021 - Apr. 2023

University of Toronto

- Taught and coordinated the following courses: CSC301 (Intro to Software Engineering), CSC207 (Software Design in Java), CSC209 (Systems Programming) (twice!), CSC148 (Introduction to Computer Science) (twice!).
- Provided technical mentorship for multiple full stack projects over a 4-month scrum development cycle in CSC301.
- Taught the following skills to students: C, Java, Python, Linux, JavaScript, React, MongoDB, PostgreSQL, Docker, Git, Design Patterns, Assembly, CI/CD, Microservice Architectures, Agile Software Development, Concurrency, etc.

Google Developer Student Club Technical and Workshop Lead

Aug. 2021 - Aug. 2022

Google Developer Student Club at the University of Toronto

- Hosted biweekly technical workshops attended by 100+ UofT students on topics like *React*, *Docker*, *AWS*, etc.
- Led professional development events such as resume reviews and mock technical interviews regularly for students.
- Empowered students to expand their knowledge in technology and build solutions for their local communities.

Full Stack Software Developer Intern

Sep. 2021 - Dec. 2021

Wealthscope

- Developed front-end applications with *React* and *Redux*; developing back-end APIs using the *Django REST Framework*.
- Created a tool that allows users to compare their investment portfolios (consisting of stocks, ETFs, crypto, etc) to determine how various statistics differ between them (including annualized returns, total risk, fees, etc).
- Created the new 'Retirement Blueprint' tool that guides users through creating personalized investment and saving plans to reach their financial goals.
- Created CI/CD pipelines using GitHub Actions to automatically test and deploy code changes to AWS EC2 instances.
- *Technologies used:* React, Redux, Django, Django REST Framework, Python, Pandas, AWS, Docker, PostgreSQL, Jira.

Research Assistant

Sep. 2021 - Oct. 2021

Schulich School of Business, York University

- Developed software and used various Google Cloud services to collect **31 million** comments made by Reddit users on the subreddit 'Wall Street Bets' during the years 2019-2021.
- Data was published in the following paper: '*Social Network Sentiment and Markets: Evidence from the Wallstreetbets Forum*'
- *Technologies used:* Google Cloud's Compute Engine, Google Cloud's Cloud Storage, Python, Pandas, Docker.

PROJECTS

StudyTogether | *React, Redux, MongoDB, Google Cloud, Socket.IO, Jira, Agile Development (SCRUM)*

- Created a user-friendly app aimed at streamlining the formation of study groups within universities across Canada.