

Daniel Saunders, Computer Science Student

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github.com/DS1S

RELEVANT COURSE WORK/PROJECTS

Synduce Web Application Interface | (React, AWS Lambda, AWS Gateway, GitHub Actions, Heroku)
synduce.herokuapp.com/

- Synduce is an open-source recursive function transformer written for Ocaml programs. Provides inferencing for unfinished code snippets.
- Developed DevOps pipeline for frontend deployment.
- Developed views in React for the homepage, login, and profile page. Integrated Firebase OAuth for authentication of users on frontend.

Brackets | (React, Express, MongoDB, Heroku, GitHub Actions)
<https://csc309-brackets.herokuapp.com/>

- Brackets is a full stack application that provides users the ability to participate/organize gaming tournaments.
- Developed endpoints for all tournament operations.
- Developed Homepage, Tournaments Dashboard, and Admin Logs views.

EMPLOYMENT HISTORY

DevOps Engineer – Global Cybersecurity, RBC

Toronto

May 2021 – Aug 2021

- Developed and deployed API endpoints utilizing **FastAPI** for our Checkpoint firewall microservice used with global cyber security for automation tasks.
- Developed automatic firewall global rule creation with **VueJs** to leverage the Checkpoint microservice and provide further increase to the time efficiency of network analysts and infosec operations.
- Extensive involvement in Firewall Rule Attestation project. Developed python scripts to generate XML campaign files for 12,000 rules consuming hit counts for rules against firewall logs with 50m+ records/10Gb in 2 minutes.
- Automated end-to-end workflow of firewall rule attestation, saving \$900k yearly by reducing need for contractors.

Cyber Security Analyst – Infrastructure Risk & Security, RBC

Toronto

May 2020 – Aug 2020

- Involved in the Firewall Rule Accreditation project (FRA Phase 4), ensured the mitigation of risks and exposures to RBC Network Infrastructure with respect to firewall policies and rules on Palo Alto and Check Point firewalls.
- Lead proposal of automating firewall rule Staging and change record automation. Performed design and documentation of concept documents, built project management dashboards, and scheduled weekly meetings with management.
- Lead development on a standalone web application using **Flask** to consume internal API gateways to perform automated firewall rule changes and ported a client application used for method of procedure files to the web application. Increased overall time efficiency and reduced time spent on tickets by analysts.

EDUCATION

Computer Science Specialist, University of Toronto
Sep 2019 – May 2023

Toronto
CGPA-4.0/4.0

Specialist High Skills Major in IT, Maxwell Heights Secondary School
Sep 2015 – Jun 2019

Oshawa
Average 99.4% Grade 12

SKILLS/CERTIFICATIONS

Python, FastAPI, POSIX Pthreads, SciNet Niagra Cluster, Flask, Java, VueJs, React, Html, SCSS, Unix Shell Scripting, TailwindCSS, Git, Unit Testing, Algorithm Design, Algorithm Analysis, Agile Methodologies, Palo Alto Firewalls, Checkpoint Firewalls, Microsoft Office.

Cisco Certifications: CCNA R&S 1, IT Essentials

AWARDS

UofT Dean's Scholar List – student who maintains a CGPA greater than 3.5.

University of Toronto Scholars Award – awarded to the top 700 applicants at the university of Toronto.

Schulich Leader Nominee – The Schulich Leader Scholarships are Canada's most coveted undergraduate STEM scholarships.

Bronze Governor General Medal – Awarded to the student with the highest average in grade 12.