Edgar Sarkisian

Full Stack Developer

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EXPERIENCE

March 2020 – Feb 2021

VP of Engineering   LIVE Competition - U of T Scarborough

- Lead a team of 7 student developers to enhance Blueboard, our competition hosting platform used in the LIVE Business Case Competition in January 2021
- Designed a **microservices** architecture using **Kubernetes** for integrating messaging rooms and real-time meeting notifications within the webapp
- Divided, wrote and assigned tasks, and **mentored** team members on how to use **Django**, **Angular** and **Firebase**

May 2020 – Present

Webmaster - uclit.ca   University College Literary and Athletic Society

- Decreased operating costs by 86% by rebuilding website from scratch using Jekyll
- Saved $120 per year by switching over to **Github Pages** and by using **Jekyll**'s data files to manage website content, removing the need for a persistent database or a dedicated CMS
- Wrote detailed **documentation** on how to update the content via data files for the site maintainers
- Achieved a score of 98+ on all metrics in the **Google Lighthouse** website report

May – Aug 2019

C# / .NET Developer Co-op   Algosys Inc. - Quebec City

- Maintained and enhanced a web-app that performs metallurgical accounting for mineral processing plants
- Worked with **C#** and the .NET framework in Visual Studio for back-end and used **Typescript** with Knockout JS for front end development
- Wrote **integration** and **unit tests**, using mocking frameworks like *Moq* and *Sinon* to isolate the components being tested

Jan – Aug 2018

Java Developer Co-op   CIBC

- Nominated for CIBC's Co-op Achiever's award
- Worked in an agile team with **Java** and **Javascript** on an internal web-app used for on-boarding clients
- Developed a helper script that executes a paginated query on an **Oracle SQL** database multiple times and combines the results into one excel workbook for auditing purposes
- Conducted code reviews, participated in daily stand-ups and weekly retrospectives

EDUCATION

Sept 2016 – April 2021

Hon. B.Sc in Computer Science   University of Toronto, Scarborough

Specializing in Software Engineering
   Dean's List 2019-2020 academic year

PROJECTS

May 2021

NFT Marketplace   Personal Project

- Created an **Ethereum** NFT smart contract and a **React** front end allowing you to mint new image NFTs, list them for sale or buy them for ether
- Integrated the Infura **IPFS** service for storing content-addressible image files and to enforce uniqueness of images
- Deployed to the Ropsten Test Network and hosted on shopifty-gateway.netlify.app

June 2020

First Place - React Online Store   Impact Conference

- Developed an online store using **React** to showcase Hollend Furnishings' school catalogue
- Integrated **Algolia's search API** to implement filtering and search functionality
- Won first place in the 2020 Impact Conference Business Case Competition

Jan 2019

Get A Room! - REST API   Personal Project

- Built a **Node.js** web-app that lists unused classrooms that can be used as study space, by scraping a University of Toronto Scarborough API exposing weekly room schedules
- Includes a public REST API using **express.js** that provides information on the available rooms
- Hosted on **Heroku**, using **PostgreSQL** for persistence