

Edgar Sarkisian

Full Stack Developer



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 2019-2021 academic years

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