Thanh To

Software Engineer

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SKILLS

Languages: JavaScript, Typescript, Python, Java, Bash

Tools: HTML/CSS, React, Node.js, D3.js, Kubernetes, Docker

EDUCATION

University of British Columbia	**Vancouver, BC**
Bachelor of Applied Science, Computer Engineering	*Graduated May 2021*

- Graduated with Distinction
- Recipient of International Major Entrance Scholarship, Chancellor's Scholar Award, Dean's Honour List, and ECE Presidential Award

WORK EXPERIENCE

Arista Networks	**Burnaby, BC**
Software Engineer	*June 2021 - Present*

- Developed front-end React features on Cloud Vision, Arista's network provisioning web application

Salesforce	**Vancouver, BC**
Software Engineer Intern	*May 2020 - August 2020*

- Researched the integration of Apache Airflow on Docker and Kubernetes to manage and monitor S3 - AWS to Hadoop FS data pipeline
- Produced an MVP and documentation to support future operations of the big data team

Salesforce	**Vancouver, BC**
Software Engineer Intern	*May 2019 - August 2019*

- Enabled Google Cloud Platform support in Mirus, a Salesforce tool based on Kafka Connect
- Implemented new throughput metrics using JMX monitoring in Kafka Connect for production and load-testing
- Contributed to the suite of automated unit and integration tests scripts using Junit, Mockito, and Bash

Kabam	**Vancouver, BC**
Backend Software Engineer Co-op (on Marvel: Contest of Champions)	*January 2019 - May 2019*

- Developed administration and validation tools on a Node.js server to support live operations and quality assurance teams
- Reduced character upgrade time by 50% and tripled map validation speed by optimizing requests to the MongoDB database (shipped in 2019)

Thought Exchange	**Vancouver, BC**
Software Developer Co-op	*May 2018 - December 2018*

- Took ownership of both new and existing features for the community engagement web application
- Designed and implemented UX components, data visualisation tools, security measures, and automated test scripts using Typescript, D3.js, Python server, and PostgreSQL database (shipped in 2019)

RECENT PROJECTS

GetJelly.ca	
New Venture Design - Co-founder	*September 2020 - May 2021*

- Developed the web plugin, website, and Android mobile application for Jelly, a platform to explore, discover, and enjoy written content, without ads, while still paying the creators
- Acquired 100+ sign ups in the first month

Photo Serializer (devpost.com/software/phose**)**	
NWHacks 2021 Hackathon - Honorable Mention	*January 2021*

- Developed a web application, powered by Web Assembly via ffmepg.js to compile photos into a video montage, allin-browser, without uploading photos or downloading software