

# PATRICK VUSCAN

## SOFTWARE DEVELOPER

### CONTACT

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### EDUCATION

#### University of Toronto

B.Sc. Computer Science  
Sept. 2018 – May 2020

Specialist degree with a focus in Artificial Intelligence in Computer Science, alongside a minor in German. Selected for the **Technology Leadership Initiative**, a specialized program that offers industry integrated advanced learning, tailored leadership training, and industry internship opportunities. Collaborated with the **Global Payments division of Scotiabank** as part of the program.

CGPA: 3.60

Major GPA: 3.96

Awarded the Mary Victoria Court Scholarship in 2019, the J. A. Surerus Memorial Scholarship in 2020, and a two-time Dean's List Scholar, in 2019 and 2020.

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### EXPERIENCE

#### Software Developer

Scotiabank's Digital Factory  
May 2020 – Aug. 2020

I was the *only* software developer intern brought into the Digital Factory during the summer of 2020. I developed for the front-end of a web application that manages Scotiabank's web and native campaign and offer presentation, using technologies such as **ReactJS** and **Redux**. Took ownership over regions of the app. Wrote API endpoints in the **NodeJS** backend, wrote unit tests using **React's Testing Library**, and refactored code to modernize the application.

Placed **1<sup>st</sup>** out of more than 80 teams in the bank wide Intern Capstone project, aimed to find new ways to increase customer acquisition across the bank. After engaging with customers and managers across different business lines, I developed a **Figma** prototype of an educational solution which could be built to work in conjunction with existing Scotiabank technology and analytic tools.

#### Team Lead and Front-end Developer

catchUp  
October 2019 - Current

Lead developer and designer in a start-up, catchUp, a note sharing service that focuses on working with accessibility needs guidelines. Designed the application and flows using **Figma**. Developing the Front-end using technologies such as **ReactJS**, **React Routing**, to deliver a clean minimalist user experience.

#### Software Developer

Technology Leadership Initiative and Scotiabank Global Payments  
Sept. 2019 – Dec. 2020

Developed a prototype application for Scotiabank, a reactive web application that utilizes Interac's new Request to Pay feature for businesses, to reduce billing fees between businesses, and increase efficiency within delivery. Built an application with **ReactJS** and created **RESTful** back-end services and APIs with **ExpressJS** and **NodeJS**, which interact with a **PostgreSQL** database.

#### Software Developer

NexJ Health Inc.  
May 2019 – Aug. 2019

Developed a web and native Android and iOS applications for NexJ Health Inc's patient-facing healthcare platform as a full stack developer. Built new user functionality and features, while working on the application's front-end UI through a custom in-house framework in **JavaScript**, creating back-end services with **NodeJS**, and interacting with the **MongoDB** database under a **Mongoose** schema. Worked on the deployment of the web application into native applications through **Adobe Phonegap**.

#### IT Department Assistant

NexJ Systems Inc.  
Sept. 2016 – June 2017

Computer systems and network maintenance, software and hardware maintenance, scripting and automated software testing using scripting languages such as **BASH**, as well as managing an internal NexJ Systems website using **PHP** and **HTML**.

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### TECHNICAL SKILLS

**Front-end:** ReactJS, Redux, HTML, and CSS with SASS

**Back-end:** NodeJS, ExpressJS, REST APIs

**Databases:** MSSQL, PostgreSQL, MongoDB with Mongoose schema

**Languages:** JavaScript, Java, Python

**Version Control:** Mercurial and Git