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TOM KEONHEUM CHO

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EMPLOYMENT

Backend Developer	**LCBO|Next**	**January – April 2017**

- Created a backend service that powers the kiosk app for easily locating beverages at a store and the mobile app that speeds up the shelf scanning process using Node.js, MySQL
- Made database requests asynchronous in API calls, reducing the average response time of API calls by 25%
- Deployed and managed builds for multiple apps and RESTful APIs used in LCBO stores with PM2, Nginx
- Wrote MySQL queries to find inventory and sales per store to provide insight for brewery agents

Agile Software Engineer	**TribalScale**	**May - August 2016**

- Developed the PGA Tour Alexa app where users can get the latest leaderboard and the score of their favourite players using Node.js, AWS Lambda
- Worked on the Athos Online Training Center for creating workout plans and assigning long term fitness programs to athletes using React, Redux, Sass

Full Stack Developer	**TritonWear**	**September – December 2015**

- Developed an Electron app for remotely upgrading firmware versions of swimmers' performance tracking devices used by hundreds of coaches globally
- Added features for resending welcome emails to coaches, assigning licenses to different users, and viewing workouts in the web app using Node.js, AngularJS, MySQL, Amazon SQS
- Administered the continuous integration of the desktop and the web apps using Jenkins, Amazon S3

Junior Software Engineer	**Digiflare**	**January – April 2015**

- Developed the UI for the main hub, TV show details, movie details, and network details pages for Charter Spectrum POC for Xbox One using WinJS, TypeScript, CSS, Less
- Added a sub-header to asset tiles in Spectrum POC which displays availability and expiry dates

Web Developer Intern	**Physicalytics**	**May – August 2014**

- Redesigned the user experience of the backend internal tools for customer engagement tracking devices using Node.js, Bootstrap, jQuery
- Constructed wireframes and created the backend administrative tools for a real-time analytics platform using Node.js

EDUCATION

Waterloo, ON	**University of Waterloo**	**Fall 2012 – August 2017**

- Bachelor of Computer Science, Honours Computer Science, Psychology Minor
- Related Coursework: Algorithms, User Interfaces, Introduction to Database Management, Computer Security and Privacy, Introduction to Artificial Intelligence

TECHNICAL EXPERIENCE

Projects

- **MemoPad.** A minimalist Notepad clone that lets the user create, save, and edit text files. Java, Swing
- **Save Discover Weekly.** A script that automatically saves Spotify Discover Weekly playlist to the user's playlists every Monday. Python, Amazon EC2
- **Reddit Stats**. A chrome extension that tracks the time spent and the number of visits for each subreddit. Chrome Tabs API, D3.js

LANGUAGES AND TECHNOLOGIES

- JavaScript; Python; Java;
- Node.js; Express; React; Redux; AngularJS; Sass; MySQL; MongoDB; AWS; Git; Jenkins