

# TONY KO

Full Stack Dev

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## TO WHOM IT MAY CONCERN

This letter is an **application** for a **Front End Developer** position at your firm.

I am a Full Stack developer based in Toronto, with practical experience in the following:

- **Frontend:** Vue.js, React, CSS Animation, Responsive SCSS, Accessibility, Localization.
- **Backend:** Rest API, Node.js, Gulp.js, Webpack, Koa/Express.js, PHP.
- **Database:** MySQL DB, JSON, MongoDB, Web Scraping.
- **SEO:** Google Analytics & Tag Manager, Bing Analytics.
- **Platforms:** Shopify, Wordpress, MS Dynamics CRM, Pantheon
- **Sysops:** Docker, Continuous Integration & Deployment (CI/CD).
- **General:** JS ES6, Functional Programming, AWS, Bash, Git, Mocha

As well as **an eye for design** from my time at OCAD and in my previous career in Interior Design.

- **Image Production:** Sketch, Draw.io, Photoshop, Illustrator, Indesign
- **Design concepts:** Color Theory, Basic UX & UI, Web Graphics.

I'm familiar with what it takes to create great full stack applications on a tight schedule. Having said that, I do have a desire to grow my Front End Library skills, particularly in a startup or agency environment.

Hopefully, my **technical skills**, along with my **attached resume and recommendations**, fits the position at your firm for a competent, adaptive and passionate **Front End Developer**. If so, feel free to contact me, I would be very happy to discuss further.

Best,

Tony Ko



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## PROJECTS

All projects are bilingual, mobile friendly, AODA AA compliant, SEO, Google Analytics / Tag Manager enabled.

### **babyjogger.ca - Catalog Site - Full Stack**

Completely recreated US site in Ractive.js & Koa.js. Wrote e-comm style faceted sort catalog pages, 360 / Photo / Video product viewer modules, custom 'edit on spot' CMS, and scraper scripts to help with DB entry. Browser based i18n. Implemented elastic-lunr search capability.

### **monogram.ca - Catalog Site - Full Stack**

Wrote new Ractive.js & Koa.js based catalog site with faceted sort modules, product viewer modules, API scripts for DB entry. Adapt carousel module to display product showcases throughout site. JSON powered product wizard.

### **realcanadianthanksgiving.ca - Coupon Contest Site - Full Stack**

Created contest site in Ractive.js & PHP with new design. Wrote unique coupon dispensing logic, contest expiry logic, pin verification logic, new flip clock style countdown, coupon service integration. Integrate PHP's mysql api, with custom CSV output and datatables.js reporting.

### **weiserlock.com - Catalog Site - Full Stack**

Ractive.js catalog site and a new Pug.js + Koa.js static html generator module due to backend restriction. Since there is no executable backend allowed, released html with browser based binary index (AND/OR/NOR) based faceting / search module.

### **spin2win.brandfire.ca - Instant Win Contest Site - Full Stack**

Instant-win contest site with interactive spin-to-win pin mechanic, via Vue.js & Pug.js. Utilized GSAP.js to create spinning wheel animations. Wrote new contest engine with entry validation, error handling. Passport.js auth for reporting backend.

### **bringyourtoyotahome.ca - Contest Site - Full Stack**

Eye catching Vue.js & Koa.js instant-win contest site with scroll parallax fly in animations. Utilized GSAP.js timelines to coordinate CSS animations with scroll action. Implemented docker and continuous delivery (CD) to help with zero down time deployment. Reporting backend handles over 2M total entries, several hundred - thousand entries a day.

### **toffifee.bfmg.ca - Instant Win Contest Site - PM & QA**

Coordinated AMs and Dev process and timelines for an instant-win pin contest. Create testplan, budget breakdown and spec docs. Perform cross browser, contest entry, bugfix QA following test plan and timeline. Manage internal ticketing.

### **covrmedical.ca - Shopify & Wordpress Portal - Front End**

Created Shopify inventory, shipping and logistics data entry templates. Implemented header / footer designs from Wordpress PHP to Shopify's Liquid template. Integrate Shopify cart on Wordpress front end.

### **ccpaonline.ca - MS Dynamics Portal - Front End**

Integrate complete existing site from Express.js & Ractive.js to MS Dynamics 365 portal. Created interactive news infographic within site with complex CSS & JS based animations.

## EXPERIENCE

**Ko's Interior Design, Toronto - Jul 13' to Sep 16'**

*Interior Designer - 3 yr 3 mo.*

Design and manage projects in coordination with clients, contractors, suppliers, and schedules. 40+ Projects.

**Brandfire Marketing, Markham - Apr 17' to Sep 19',**

*Intermediate Front End Developer - 2 yr 3 mo.*

Develop compelling multilingual full stack web applications from the ground up for international clients.

## EDUCATION

**OCAD University, Toronto - 13' to 16'**

*B.Des - Environmental Design, Completed 3 of 4 Years*

Interior, Architectural and Civil design.

**freeCodeCamp, Remote - 16' to 17'**

*Certification - Front End Development, CSE*

SASS, REST Api, Algorithms and JS frameworks.

## RECOMMENDATIONS

Tony and I worked together on several web projects at Brandfire Marketing Group, where he was the front-end developer and I was the QA/project coordinator. Tony was meticulous in his work. For all the tasks he was required to do, he would complete them in a timely manner. He was not one to just "do the job", instead he went above and beyond to ensure the work was well optimized and documented in a way that was easy to read.

In addition, Tony's insightful ideas and willingness to learn made him a great teammate for us. We loved having him on our team! It was truly a pleasure working with Tony and I highly recommend him as an exceptionally talented developer.

- Billie Law

When Tony joined us, we were looking for a intermediate front-end developer. He surpassed our wildest expectation by proving himself to be a high-calibre front-end developer and a competent back-end developer. Being a quick learner, he was able to master our unique technology stack and churning out quality code in no time. Giving general direction, he could work autonomously, yet he was forthcoming when hitting snags and worked with the team constructively to solve those problems. Tony is detail oriented, a thorough and diligent document writer. He will be a strong asset to any team.

- Dirksen Liu

As a Digital Project Manager there is always some concern about properly vetting a candidates' skills, work ethic and working style.

Tony exceeded the project teams expectations in that in addition to being extremely agile and strong in Front End Development, he is also strong in Back End Development which aided in expediting the project timeline and exceeding client expectations. He holds a strong design background and advanced knowledge of technical systems on both Mac and PC, and possesses ability to fluidly alternate between them.

Other qualities which he brought to the project and the team was a strong self-sufficiency, ability to manage his workload with minimal oversight, strong technical and communication competency, strong ability to work with cross-functional and cross-cultural teams and is extremely knowledgeable about the agile development process. His keen sense of UX and Design Patterns enabled him to fill gaps within the project team.

Tony is able to handle working on multiple concurrent and vastly varying projects with ease; and has always under-promised and over-delivered which makes him an extremely strong asset to any company or team.

- Maritia Singh