

# PATRICK DU

patrickdu.com  
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## SKILLS

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**Languages:** JavaScript, C#, HTML, CSS

**Frameworks & Libraries:** React JS, React Native, Node JS (Express JS), jQuery, Bootstrap

**Tools:** Git, Mongo DB, Azure DevOps, Figma, Photoshop, Lightroom, Microsoft Office

## EXPERIENCE

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**Web Developer** | FGF Brands

January 2019 - April 2019

- Constructed a component based UI library with **HTML**, **CSS**, and **JavaScript** to maintain consistency amongst enterprise applications in an Agile environment
- Performed a **proof of concept (POC)** to measure the feasibility of a **progressive web app**; conducted extensive research on required technologies, core functionalities, and profitability
- Developed a **C#** console application that utilizes the SharePoint Client Side Object Model (CSOM) in order to efficiently deploy company SharePoint data; **reduced data transfer time by 40%**

## PROJECTS

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**Huddle** | React Native, Java (Spring), MySQL

March 2019 - Present

- A mobile social media application that connects NFL fans while supporting local venues
- Implemented **MVC design patterns** to establish smooth application flow between REST API endpoints, database entities, and user interface

**User Authentication App** | Node JS (Express), Mongo DB

April 2019 - May 2019

- A user authentication boilerplate application built with **Express** and **MongoDB** that handles user requests through CRUD operations

**Portfolio Website (patrickdu.com)** | React JS

March 2019 - April 2019

- A **responsive single-page application (SPA)** that showcases projects and past work experiences
- Utilized React state management, lifecycle hooks, and routing to optimize user interface

**Weatherly** | Bootstrap, JavaScript, jQuery, HTML, CSS

February 2019 - March 2019

- A progressive web app that fetches weather data from an external API based on user location
- Incorporated **offline support** and **push notifications** by utilizing a service worker and web app manifest to improve app practicality

## EDUCATION

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**University of Waterloo** | Honours Kinesiology

September 2017 - May 2022 (expected)

- Candidate for Bachelor of Science (BSc)
- Pursuing a Health Informatics Option and Computing Option