PATRICK DU

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SKILLS

Languages: JavaScript, C#, HTML, CSS
Frameworks & Libraries: React JS, React Native, Node JS (Express), jQuery, Bootstrap, Mongoose
Tools: Git, Amazon Web Services, MongoDB, Azure DevOps, Figma, Photoshop, Microsoft Office

EXPERIENCE

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)** to efficiently deploy company SharePoint data; **reduced data transfer time by 40%**

PROJECTS

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

University of Waterloo | Honours Kinesiology   September 2017 - May 2022 (expected)

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