

WILLIAM PARK

Skills

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- **Languages:** JavaScript, C++, Python, Java, SQL, HTML, CSS
- **Libraries/Frameworks:** React, React Hooks, Redux, Express.js, Bootstrap, React Native, Flask, TensorFlow
- **Other:** Node.js, MongoDB, PostgreSQL, Git, React Context, Postman, Selenium WebDriver

Work Experience

Software Developer – Unyte Health Inc April 2021 – Present
React, Redux, Express.js, Serverless Framework, AWS, Jest

Software Developer in Test – YuJa January 2020 - April 2020
Selenium WebDriver, Java, TestNG, Jira, TestRail

- Executed and debugged automation tests using **Selenium WebDriver** with **Java** and **TestNG** to verify site functionality for YuJa, a media solutions platform designed for use by educational institutions and enterprises.
- Performed analysis and reporting on **more than 500 Jira tickets** regarding ongoing web, desktop, and mobile application systems.
- Recommended design and functionality aspects for web and mobile application features during daily SCRUM meetings based on client needs, primarily for the YuJa video-conferencing application.

Projects & Activities

AlgoRacer – algoracer.herokuapp.com; github.com/williamhpark/AlgoRacer February 2021
React, React Hooks, JavaScript, HTML, CSS

- Created a sorting algorithm visualizer using **React** to compare the efficiency of a variety of recursive and non-recursive sorting algorithms implemented in **JavaScript**, including merge, bubble, selection, and insertion sort.
- Incorporated **React Hooks** to monitor and manipulate component state and lifecycle while the web application is running.

Resto Bot (Hack the North 2020++) – devpost.com/software/resto-bot January 2021
Node.js, Express.js, MongoDB, Wit.ai, Facebook Send API, JavaScript

- Developed an automated Facebook messenger chat bot with natural language processing support using **Wit.ai** to help groups decide on a restaurant to dine at together. **Finalist** in the **Best Use of Facebook API** category.
- Configured **webhooks** to establish a communication protocol between the application's **Node.js** server and the **Send API**, and handled payloads sent through webhooks using **JavaScript** to send appropriate callbacks in response to user-to-bot interactions.

Flicker – flickerapp.herokuapp.com; github.com/williamhpark/movie-tinder December 2020
React, React Hooks, React Context, Node.js, Express.js, MongoDB, Socket.io, JavaScript, HTML, CSS

- Designed and deployed a web application that makes the process of choosing a show or movie on Netflix with a group of people more efficient through Tinder-esque selection sessions.
- Championed the development of the application's front end, establishing an interactive UI using **React** and styling with the mobile-first approach using **CSS Media Queries** for responsive web design across all devices.
- Architected an internal API with **Node.js** to validate user authentication and to provide a channel for the front end to access user/show data stored in **MongoDB** collections through HTTP requests.
- Reviewed **over 50 pull requests** on **Github** to restructure inefficiencies and enforce a standardized programming style.

Club President – KidSport PMSS September 2016 – July 2019
• Lead a group of 25 club members in organizing fundraisers and awareness events within the BC Tri-Cities to provide grants for underprivileged youth who lack the financial resources to participate in organized sports.

Education

University of Waterloo – Waterloo, ON September 2019 - Present
Candidate for BAsC in Computer Engineering

- **President's Scholarship of Distinction:** Awarded to students with an admission average of 95% or higher.
- **Nortel Networks Undergraduate Scholarship:** Awarded to outstanding students entering year one of electrical and computer engineering.