

GRIFFIN COOK

3B SYSTEMS DESIGN ENGINEERING AT UW

Currently studying **User Centred Design Methods**, **Design Testing**, and **Machine Intelligence**, furthering my ability to ideate and create using systems thinking


TECH STACK + SKILLS

- JavaScript ES6
- TypeScript
- Node.js
- React + Redux
- Angular 8, AngularJS
- PHP + Laravel
- HTML5, CSS3, SCSS
- SQL, MySQL
- Mocha, Chai, Behat
- Bootstrap
- C++, Arduino C
- Bash
- Python
- AWS
- Terraform
- Jenkins, Gitlab CI/CD
- Google Dialogflow
- Amazon Alexa
- Firebase
- Google Cloud
- Unity
- Arduino
- UCD Methods
- Figma, Canva
- Photoshop
- Fluent in French

 griffcook.com

 github.com/griffincook

 linkedin.com/in/griffincook

 gm2cook@uwaterloo.ca
(647)-309-5200

WORK EXPERIENCE

Web Developer

HORIZN - 2020 - 4 MONTHS

- Built components for a new customer facing site using **PHP, Laravel, Javascript, React + Redux, HTML**, and **CSS**. The project was driven by new UX requirements and accessibility improvements.
- Migrated over 400 online banking demos using **Laravel** in part of the largest database migration in Horizn's history.
- Refactored the migration logic to **reduce redundancy**.
- Helped other co-op students with tasks related to **CSS, React, Git**, and internal processes, and helped **onboard** the oncoming co-op students.

Web Application Developer

INFLIGHT - 2020 - 4 MONTHS

- Modernized outdated employee engagement platforms by extracting their data with **JQuery** and re-presenting the same data in a completely new UI built using **Angular, HTML** and **SCSS**.
- Actively sought out bugs and improvements, created my own tickets, and wrote efficient test-driven solutions.
- Engaged with product and engineering teams while working from home.

Systems Software Developer

XE.COM - 2018-2019 - 8 MONTHS (RETURNED)

- Collaborated with a small team dedicated to developing chatbots on **Google Dialogflow** and **Amazon Alexa** with **Node.js**.
- **Prototyped** new capabilities for the chatbots, analyzed their alignment with the company's goals, and pitched them to the head of engineering.
- Introduced DevOps practices to repositories using **Terraform** for **AWS**, and **Gitlab CI/CD**, which reduced the stress of deployments for IT.
- Created a **JavaScript** application to increase the efficiency of finding bugs.
- Added features to a Shopify pricing application using **React** during the project's infantile stages.

Front-End Developer

SSIMWAVE - 2018 - 4 MONTHS

- Implemented new features and designs for a video analytics web application using **AngularJS, HTML** and **CSS**.
- Worked directly with a designer and other developers to optimize the **user experience** of the UI.
- Introduced integration and unit tests with **Mocha** and **Chai**.

PROJECTS - check out griffcook.com for more info on projects

- **BitBeatz**: An **iteratively designed** collaborative genetic algorithm drum machine. My focus was on the interface, which was designed using **Google Sprint** and other **UCD** methodologies, prototyped with **Figma**, and developed with **React**.
- **Arduino Guitar Hero**: A rhythm game inspired by Guitar Hero. The player must press a combination of buttons on a breadboard to match the changing colours displayed on LEDs. Built with **digital circuits** and an **Arduino (C)**.

INTERESTS

- Sports
- Camping
- Music & Guitar
- Video Games, Tech & Pop Culture
- Bouldering