

GRIFFIN COOK

UNIVERSITY OF WATERLOO
SYSTEMS DESIGN
ENGINEERING (2017-2022)

With a graduation date in April 2022, I am currently focusing in design and software development related courses


TECH STACK + SKILLS

- JavaScript ES6
- TypeScript
- Node.js
- React Redux
- Angular 8, AngularJS
- Python 3 + Python 2
- PHP + Laravel
- HTML5, CSS3, SCSS
- SQL, MySQL
- Mocha, Chai, Jest
- Bootstrap
- C++, Arduino C
- Bash
- 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

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WORK EXPERIENCE

Full-Stack Web Developer

WISH - 2021 - 3 MONTHS

- Drove a migration of Wish's email unsubscribe page from **jQuery** to **React Redux**, including UI and server-side **Python** data redesigns, while ensuring all new features were built to support **A/B testing**.
- Acted as a main point of contact for the unsubscribe migration project across multiple teams.
- Added **Google reCAPTCHA** to Wish's checkout issue page to reduce bot attacks on Wish's customer service ticketing system.
- Sought out and fixed bugs across the website, while including unit tests with **Jest** and **pytest**.

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- Modernized outdated employee engagement platforms by extracting their data with **jQuery** and re-presenting the same data in a completely new UI built using **Angular**, **HTML**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**.

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.

Front-End Developer

SSIMWAVE - 2018 - 4 MONTHS

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

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)**.