

HANNAH BROOKS

Computer Engineering Student

@ hannah.brooks@mail.utoronto.ca

613-404-4249

hannahbrooks.software

github.com/hannahbrooks

WORK EXPERIENCE

Junior Developer Intern

Decker Intellectual Property

September 2019 – Present Toronto, Ontario

- End-to-end development of mobile, tablet and desktop FAQ and Blog single page applications in **ReactJS** full-site refactor.
- Updated models and improved queries in **Python and Django** to simplify requests and reduce load times.
- Leveraged Google Analytics, Ads and Search Console to increase SEO and marketing.
- Created **mobile-first**, dynamic and responsive **HTML** emails for invoices, sale notifications and blog posts.

Software Engineering Intern

BetStamp

May 2020 – August 2020 Toronto, Ontario

- Sole developer to create web version of existing app.
- Implemented custom components using life cycle architecture, store actions in **React-Redux** to handle real time data for API calls in **ReactJS**.
- Functionality included placing bets, filtering through odds, profile management and BetStamp's social network.
- Reworked front-end queries in **Django** to allow for easy package sorting, bet fetches and users updates.

Web Developer

Center for Computational Medicine at Sickkids

May 2020 – August 2020 Toronto, Ontario

- Full stack development for RareConnect.org, a social network for tens of thousands of people with rare diseases providing them a safe and supportive platform to share their experiences.
- Implemented "bookmarking" feature for posts as well as various UI components including and new sorting features on posts in **ReactJS** and **FeathersJS**.
- Began a new branch of project for RareConnect within Sick-Kids to use for data collection and display.
- Implemented file upload and storage, data organization, and doctor patient database relations using **FeathersJS**.

TECHNICAL TOOLS

Front End

ReactJS, React Native, Redux, HTML/CSS, Ajax, jQuery, REST, JavaScript, Java

Back End

PostgreSQL, Docker, Django, FeathersJS, XML, C, C++

Other

Linux, Git, Docker, Jira, Bash

EDUCATION

B.A.Sc, Computer Engineering

University of Toronto

July 2018– Apr 2022

- GPA: 3.15/4.0
- Relevant courses: Software Communication and Design, Logic Design, Algorithms and Data Structures, Control Systems, Relational Databases.

PROJECT EXPERIENCE

GIS Mapping Software

Spring 2020

- Worked collaboratively with two others to develop a mapping software using **C++**, with GTK libraries to design the GUI.
- Used graph theory to implement smart path finding algorithms including **A*** and **Dijkstra and Greedy**.
- Implemented multi-threading for efficiency.
- Adapted a **REST API** to show live traffic on highways.

Three Trees Co. Site

Summer 2020

- Freelance work to document and display the products offered by Three Trees Co.
- Built using **HTML, CSS and Javascript**.

ARM ASM Text Editor

Spring 2020

- Low-level C program integrated onto **ARM FPGA** environment that allows for visualization of text and edits onto a VGA display.
- Program utilizes character and pixel buffers, PS/2 driver input, and stack memory for copy/pasting.

SOFT STRENGTHS

- Experience implementing open-source software with strong ability to understand, further expand and document.
- An adaptable work style that allows the ability to complete a wide range of tasks independently or within a large team.
- Strong team leadership ability with charisma that encourages productivity and contribution.
- Methodical work style that focuses on iterative development throughout agile project life cycle.