

COURTNEY LOUI

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4th Year Computer Engineering Student at University of Waterloo

Portfolio:

portfoljo.wixsite.com/courtneyl

Extracurriculars:

ECE Society VP Marketing
Engineering Orientation Week Leader
Peer Mentor for Incoming First Years
EngPlay Animation Artist
ECE Wellness Coordinator

Technical Skills:

Java, C/C++, Python, C#, Javascript, Swift, XML, HTML, PHP, CSS, Typescript, React, Angular

Tools:

SQL, Elasticsearch, pgAdmin, Android Studio, Xcode, JIRA, Figma, Arduino, Git, Azure DevOps, Trello

Prizes:

UW Robotics Logo Contest Top Prize
Magna Family Scholarship
Ontario Volunteer Service Awards

WORK EXPERIENCE

Software Developer, Thomson Reuters

Jan 2022 - April 2022

- Created new facet of login options to expand on a pre-existing sign in authentication feature for the legal tracker application to connect to additional services for clients using Javascript, C#, and HTML
- Recreated existing database on SQL to accommodate tracking client employees sign in and created teams to centralize all relevant information on client office sign in activity to maximize on time efficiency for users
- Investigated client's issues and bugs regarding the tracker application to analyze and implement the best approach to improve overall ease of access to client's own documentation
- Made feature flags for items in development using HTML and C# to organise future version releases

Software Developer, Marsh McLennan

Jan 2021 - April 2021

- Developed frameworks for client servicing web application using Javascript to simplify navigation and eliminate unnecessary traffic and allow new features to be introduced in future versions
- Maintained app performance and usability of internal Covid-19 contact tracing application by developing exhaustive automated testing suites including regression, end to end, and ui tests using CodeceptJS framework
- Facilitated daily standups with JIRA and hosted presentations to assist teams in knowledge transfers to transition into an agile work environment

UX Designer and iOS App Developer, Llettonna

April 2020 - April 2021

- Conceptualized and drafted user friendly and comprehensive wireframes and mockups for a mental therapy app for new and expectant mothers using Figma, CSS, and Illustrator
- Redesigned the company's pre-existing website to display services in a cleaner and more accessible look
- Implemented framework of interfaces connecting different pages of therapy app using Swift

Junior Software Developer, GS1 Canada

Sept 2019 - Dec 2019

- Tracked and logged users' activity of a product registry system on SQL and ElasticSearch through a Java backend system and displayed it on Kibana to analyze the activity and improve frequently used functionalities
- Implemented new product publishing abilities on product registry application by to link product information to Excel spreadsheets to simplify adding new profiles
- Created JSON API feed to extract product data, improving accessibility to product registry for customers

PROJECTS

Entoomba: Autonomous Ant Capturing Machine (Python, RaspberryPi)

Jan 2023

Automatic Messenger Bot (Python, Facebook API)

June 2021

3D Cube Rendering and Movement (Java)

Aug 2020

Huffman Encoder/Cipher (Java)

Apr 2020