

IAN DESSON

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EDUCATION

University of Ottawa

Sept. 2017 to Dec. 2021

Bachelor in Applied Sciences Software Engineering

Relevant Courses: UX and UI Analysis, Databases, Data Structures and Algorithms, Operating Systems

Dean's Honour List

EXPERIENCE

Ross Video Ltd

Ottawa, ON

Software Developer

May 2021 to Aug. 2021

- Maintained Streamline, a Media Asset Management tool used by major news broadcasters for managing thousands of media assets
- Created a UI component using **React** and **Typescript** for a node to allow users to manage asset storage locations automatically
- Used **agile** methodology as a large team along with continuous integration to ensure high code quality in a **Java** project

University of Ottawa

Ottawa, ON

Software Developer

Apr. 2020 to Aug. 2020

- Worked asynchronously on an **agile** team responsible for maintaining a web application used by students, to apply for and manage exam and course accommodations
- Using **JQuery**, **PHP** and **HTML**, improved the client's workflow by reducing the number of interactions necessary by 67%
- Developed a data migration of over 30,000 rows of data to follow a new workflow as part of an application overhaul

Nuance Communications

Montréal, QC

Software Development Intern

Sept. 2019 to Dec. 2019

- Used **React**, **SASS**, and the **Bootstrap** library to develop the Mix NLU and Dashboard Single Page Applications used by external and internal clients
- Reduced the number of API calls from 14 to 1 in an internal NLU tool resulting in less bandwidth usage from clients and to company servers
- Setup **Gitlab CI/CD** for continuous deployment on JFrog **Artifactory** for a new internal library of React components

Cision Inc

Ottawa, ON

Software Developer (Co-op)

Jan. 2019 to Apr. 2019

- Maintained the **Java** QA Automation Framework for an internal REST API that receives and delivers analysis on millions of documents per day
- Fixed an issue with a deployed instance of the product on AWS, saving thousands of dollars in potential losses of data
- Fixed issues with verification of user input to the REST API and sorting the results returned to the user

Field Effect Software

Ottawa, ON

Software Developer (Co-op)

Apr. 2018 to Aug. 2018

- Developed automated tests for verifying the detection of external and internal security vulnerabilities
- Automated tasks in **Ubuntu**, Mac OS X, CentOS and Windows virtual machines for network security verification
- Developed a tool, using **Python**, that tracks employee usage of USBs by making calls to an internal API

PROJECTS

NaturalHtml

Jan. 2021 to Dec. 2021

- A VSCode Extension for writing HTML using voice commands
- Used GCP's Speech-To-Text in combination with Azure's NLU to process commands from users' voice

AsciiMatic

Dec. 2020

- A Discord Bot for playing Battleship
- Used NodeJS and the Discord.JS Library to read and write from Discord text channels

Gander

July 2019

- Developed a sample UI to exemplify UX heuristics and to perform analysis
- Used the React-Router and Material-UI libraries to quickly deploy a web application for demonstration

SKILLS

PROGRAMMING LANGUAGES: Java, Python, JavaScript, TypeScript

TECHNOLOGIES: React, PostgreSQL, Git, SASS, Docker, Linux, NodeJs, MySQL, HTML/CSS, Agile/Scrum