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## Experience

### CaseWare International

May 2020 – Dec. 2020

Frontend Engineer Intern

Toronto, ON

- Major contributor in Angular 9 migration, upgrading a complex AngularJS dynamic table row component in a tax auditing product used by 5+ top accounting firms
- Reduced bugs by 15% across various parts of our tax form library including UI components and business logic
- Added 5+ new features in existing tax form library components in response to requests and my own initiative after personal conversations with library users
- Eliminated a source of 5% of total regression bugs by proposing and developing a testing tool using Node.js that visually highlights PDF rendering anomalies in printed tax forms to assist with further manual review

### Veeva Systems Inc.

Sep. 2019 – Dec. 2019

Full Stack Engineer Intern

Toronto, ON

- Increased the number of documented user activity tracking points by 200% by conducting a static analysis of the codebase and extracting business actions from context in the code
- Added a new API endpoint for use with 10+ automation tests
- Fixed 20+ defects in different areas of the codebase, both frontend and backend

### University Health Network

Jan. 2019 – April 2019

Software Engineer Intern

Toronto, ON

- Cut the time to develop new forms by 300% by building a Python library to help automate writing out form definitions
- Added support for viewing reports on hospital terminals by building a new backend service to convert HTML reports to ASCII with formatting for tables and nested lists

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## Projects

**Syntune** | [Source/Live demo](#) | TypeScript, Express, Redis, Vue, Sass, Docker

April 2020

- A web app built in a team of two that can sync sound files across multiple peers and control playback via a single host
- Synchronization, audio playback and distribution of sound files implemented with webRTC using the PeerJS library
- Backend service to manage rooms built with Express, TypeScript and Redis, deployed in a Docker container on Heroku
- Responsive frontend client built using Vue.js, Typescript and Sass

**Webgallery** | [Source/Live demo](#) | Node.js, Express, Bcrypt

April 2020

- A web app that allows users to upload images, view each other's images and comment on them
- Node.js backend using express.js for the RESTful HTTP API, and a NoSQL database for the data layer
- User accounts implemented using session based authentication following best practices
- Event driven architecture frontend using plain JavaScript

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## Technical Skills

**Languages:** JavaScript/TypeScript, Python, Java/Kotlin, C/C++

**Developer Tools:** Git, Docker, SQL and NoSQL databases

**Methodology:** Testing, Debugging, Agile, Design patterns, RESTful APIs, Problem solving, Teamwork

**Platforms:** Unix, Node.js, Browser, Android

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## Education

### University of Toronto

Sep. 2017 – Dec. 2021

Honors, Bachelor of Science in Computer Science

Toronto, ON

- cGPA: 3.54/4.0, Dean's List
- Data Structures, Algorithms, Software Design, Web Development, Systems Programming, Databases, Operating Systems