Ben Tucker

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EDUCATION

Queen's University **2014 - 2020**
M.Sc. Analytical Chemistry Kingston, ON
- 4.15/4.30 GPA

B.Sc. Chemistry (Honours) with Professional Internship
- 3.97/4.30 GPA

SKILLS

- HTML
- CSS
- JavaScript
- ReactJS
- Git/GitHub
- VSCode

PROJECTS

The Range (ReactJS**) -** https://tenbucker4.github.io/the-range/
- Custom shopping cart site for golf equipment
- Features include a shopping catalog that can be browsed by category or manual search, product pages with related product links, an intuitive user interface, and responsive design

Employable (ReactJS**) -** https://tenbucker4.github.io/employable/
- Resume builder made using ReactJS
- Users can add personal information, education, work experience, and custom color themes to a preformatted resume that is dynamically updated at the bottom of the page with a download as PDF option

Personal Portfolio (HTML/CSS/JavaScript**) -** https://tenbucker4.github.io/personal-portfolio/
- Personal website with latest projects (links to live sites and repositories) and contact information
- Interactive particle array made using HTML Canvas that dynamically responds to user's cursor

WORK EXPERIENCE

Toronto Research Chemicals (LGC Group) **September 2020 – November 2021**
Analytical Chemist North York, ON
- Managed operation of NMR spectrometers for analysis of chemicals compounds related to pharmaceutical development, medical, and biochemical research
- Liaised with senior scientists and laboratory managers to ensure proper collection, processing, and publication of analytical data for product Certificates of Analysis

Queen's University Department of Chemistry **May 2018 – 2020**
Graduate Research Assistant Kingston, ON
- Designed, fabricated, and prototyped novel microfluidic platforms using techniques such as 3D printing, photolithography, laser micromachining, and optical/fluorescence microscopy
- Directly involved in a collaboration with SCIEX in an NSERC Strategic Grant for "Advanced Sample Introduction for Mass Spectrometry"