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

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, a professional 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 automatically updated at the bottom of the page
- Resumes can be downloaded as PDF's

Beyond (HTML/CSS/JavaScript**) -** https://tenbucker4.github.io/beyond/
- Informative space app (HTML/CSS/JavaScript)
- Displays data including average temperatures, number of moons, and surface gravity for all the planets in our solar system
- Real-time data fetched from The Solar System OpenData's API

WORK EXPERIENCE

Toronto Research Chemicals (LGC Group)   **September 2020 – November 2021**
Analytical Chemist   North York, ON
- Primary operator 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"