Melanie Burger

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@melaniebrgr

I solve problems by drawing on a blended background of art, science and technology. I am looking for challenge and growth with a like-minded team.

EXPERIENCE

2017 | present — **Software Developer, Rangle.io, Toronto, Canada**
Worked with a delivery team to develop mobile and web applications for clients following Agile methods. Applications included e-commerce sites, medical devices, and data dashboards.

2016 | 2017 — **Front-End Developer, Ontario Institute for Cancer Research, Toronto, Canada**
Styled web applications using CSS and Bootstrap.

2013 | 2016 — **Medical Illustrator, Imagineeringart.com Inc., Toronto, Canada**
Produced illustrations, animations, and interactive media for textbooks. Worked with clients to evolve style guides, storyboards, and interactive prototypes.

EDUCATION

2015 | 2016 — **Front-End Web Development, Thinkful.com**
Online bootcamp with 1-on-1 mentorship covering topics from front-end foundations to javascript frameworks.

2011 | 2013 — **MSc Biomedical Communications, University of Toronto**
Interdisciplinary training in science visual communication including graphic and user experience design, illustration, animation, data visualization, and web development.

2008 | 2011 — **MSc Chemistry, McGill University**
Binding prediction and synthesis of vitamin D analogs.

2003 | 2007 — **BHSc (Hons) in Biomedical Research, University of Calgary**
Inquiry-based learning in health and physical science.

COMPETENCIES

JavaScript

CSS, CSS-in-JS

React, Redux

Photoshop, Illustrator

Research

VOLUNTEER

2014 | 2016 — **Co-president, Biomedical Communications Alumni Association**
Planned community events, such as a "Introduction to VR Masterclass", gala, and other meet-ups for students and alumni.

2012 | 2013 — **Seminar organizer, MSc Biomedical Communications**
Established a workshop series with local and international guests.

AWARDS

- CIHR Health Communications Award
- AMI Award of Merit in instructional colour
- Eila I. Hopper Ross peer-voted award for leadership and professionalism
- NSERC Canada Graduate Scholarship

PUBLICATIONS

- "ChemDoodle Web Components: HTML5 toolkit for chemical graphics, interfaces, and informatics" [article]
- "Lab$_3$D: A new web-based resource of interactive, animated organic chemistry reactions" [article]

PRESENTATIONS

2015 Canadian Chemistry Conference "Creating visual content for the web @Imagineeringart"

2014 BMCAA Unconference "How to get a molecule on your website" [slides]

2013 International Conference on Chemistry Education "Organic chemistry reactions online" [slides]

HOBBIES