

# Omar Rodriguez

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LinkedIn: [/omar-rodriguez26](#) | GitHub: [/nickless192](#) | Portfolio: [/nickless-react-portfolio](#)

Full-stack web developer leveraging Mechanical engineering experience to provide unique perspectives on researching, problem-solving, and debugging to create reliable and adaptive web solutions. Earned a Full Stack Web Development certificate from the University of Toronto Coding Boot Camp. Innovative problem-solver who is passionate about developing apps with a focus on mobile-first design and development. Strengths in data analysis, teamwork, agile methodology, and building projects from ideation to execution.

## TECHNICAL SKILLS

JavaScript ES6+, CSS3, HTML5, databases (MongoDB, MySQL), GraphQL, GitHub, Express, React, Node, Handlebars, jQuery, Bootstrap, REST API, SAS, Eclipse, Microsoft Office (Word, Excel, PowerPoint, Visio, Project), Blaze, Microsoft VBA, FORTRAN, C++

## PROJECTS

**Inner Pattern** | <https://github.com/Tyl3r-s/InnerPattern> | <http://innerpattern.herokuapp.com/>

- Summary: A MERN stack single-page application where users can track their thoughts and 'moods' through journal entries.
- Role: Back-end developer
- Tools: React, GraphQL, Bootstrap, Mongoose, Bcrypt

**Nickless Weather Radar** | <https://github.com/nickless192/nickless-weather-radar> | <https://nickless192.github.io/nickless-weather-radar/>

- Summary: Weather app that provides current and future weather forecasts in cities with persistent search history.
- Role: Sole author
- Tools: HTML, CSS, JavaScript, Bulma

**Socialize API** | <https://github.com/nickless192/nickless-socialize-api>

- Summary: API to handle GET, POST, PUT, and DELETE requests to retrieve, create, update, or delete users, thoughts, reactions, and friends (as applicable).
- Role: Sole author
- Tools: Express, Express Handlebars, MySQL, JavaScript, jQuery, ORM

## EXPERIENCE

**Senior Product Manager**  
**Scotiabank**

**2021-Present**  
**Toronto, ON**

Develop and unit test risk policy platform for auto, mortgage, and unsecured lending portfolios.

Key Accomplishments:

- Redesign and optimize credit origination strategies for auto lending portfolio

- Train teams on MongoDB Compass and FICO's Decision Modeler (credit lifecycle management solution)

### **Risk Technology Manager**

**2019-2021**

#### **Scotiabank**

**Toronto, ON**

Implemented models and strategy components on credit lifecycle management system.

Key Accomplishments:

- Lead across multi-functional team, ensuring timely implementation of Caribbean and Canadian Score models
- Designed and implemented an automated software regression testing tool on SAS
- Troubleshoot FICO products, reducing downtime and saving on consultancy costs

### **Reliability Engineer**

**2018-2019**

#### **GVA Lighting**

**Oakville, ON**

Executed R&D and reliability testing plans across multiple product designs.

Key Accomplishments:

- Created reports communicating findings and recommendations to the Engineering team
- Streamlined the department testing and report procedure

### **Postdoctoral Research Fellow/Research Assistant**

**2013-2018**

#### **Toronto Metropolitan University**

**Toronto, ON**

Developed and characterize novel bioglass coatings for femoral prosthetics.

Key Accomplishments:

- Managed the Clinical Materials and Diagnostics (CMD) lab
- Secured an NSERC Research Tools and Instruments grant for **C\$75k**
- Developed a novel method for fabricating bioglass-based scaffolds

## **EDUCATION**

### **Doctor of Philosophy in Mechanical Engineering**

**2017**

Toronto Metropolitan University (former Ryerson University)

**Toronto, ON**

### **Master of Science / Bachelor of Science in Mechanical Engineering**

**2010**

Utah State University

**Logan, UT, USA**

## **CERTIFICATES**

### **Certificate in Full Stack Web Development**

**2022**

University of Toronto Coding Boot Camp

**Toronto, ON**