

# Rodney McQuain

(260) 442-1720 | [rodneymcquain95@gmail.com](mailto:rodneymcquain95@gmail.com)

[rodneymcquain.com](http://rodneymcquain.com) | [linkedin.com/in/rodneymcquain](https://linkedin.com/in/rodneymcquain) | [github.com/RodneyMcQuain](https://github.com/RodneyMcQuain)

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## EXPERIENCE

**Software Developer & Consultant** | January 2021 – Present

Associate Software Developer & Consultant | April 2020 – January 2021

Software Developer Intern & Consultant | May 2019 – April 2020

Aptera | Fort Wayne, Indiana

- Empower teammates to ideate on how we can improve our processes
- Lead and engage in initiatives for making legacy systems more reliable and maintainable
- Leverage test-driven development and integration testing to create resilient systems
- Build software that scales for large, geographically dispersed enterprises
- Advocate for and work under Agile and Scrum practices
- Perform various types of work, such as full-stack web development, desktop development, API development, user experience, and accessibility
- Work with wide ranges of technology, such as JavaScript, ReactJS, C#, Blazor, and F#

## TECHNICAL SKILLS

- Programming Languages: JavaScript, C#, TypeScript, Java, Python, C, F#
- Other Languages: SQL, HTML, CSS, SCSS
- Frameworks: ReactJS, ASP.NET Core, GatsbyJS, Blazor, JavaFX
- Testing: test-driven development, test doubles, Cypress, Canopy, Jest, NUnit
- Software Design: SOLID principles, Gang of Four design patterns, coupling & cohesion
- Database Management: SQL Server, PostgreSQL, SQLite

## PROJECTS

**The Digit-Inator** | TypeScript, ReactJS, SCSS Modules, Jest, Cypress, Python, Tensorflow

August 2020 – December 2020

The Digit-Inator allows you to convert your favorite hand drawn digit to text with the latest and greatest in computer vision. Simply draw a single-digit number using a mouse or touch screen and the Digit-Inator gives its best guess at what the number is.

[digit-inator.netlify.app](https://digit-inator.netlify.app) | [github.com/RodneyMcQuain/Digit-Inator](https://github.com/RodneyMcQuain/Digit-Inator)

**Melee CSS Color Changer** | Java, JavaFX

May 2019 – July 2019

A desktop application that goes all the way down to the byte level to change the colors of the Character Select Screen for Super Smash Bros. Melee in various and vibrant ways.

[rodneymcquain.com/blog-posts/coloring-in-a-20-year-old-video-game](http://rodneymcquain.com/blog-posts/coloring-in-a-20-year-old-video-game)

## EDUCATION

**Purdue University Fort Wayne** | Fort Wayne, Indiana

Spring 2018 – Spring 2021

Bachelor of Science Degree in Computer Science | Minor in Mathematics

GPA: 4.0/4.0