# WON RHIM

## SOFTWARE ENGINEER

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## EDUCATION

**George Mason University**                                                                      **May 2020**

B.S. in Computer Science

**Virginia Commonwealth University**                                                          **May 2014**

B.S. in Biology

## EMPLOYMENT

**Software Engineer**                          **Hughes**                          **Nov 2020 – Nov 2022**

- Developed a satellite network resource-handling application with a microservices architecture in **C++**, primarily using **Boost** libraries, maintained using **Git** and **CI/CD** on **Jenkins** with deployment via **Kubernetes**.
- Designed and built two microservices from the ground up with reusable inter-service **Protobuf** message receiver/ handler.
- Co-led integration of microservices at a multi-team level using **Helm** for deployment and versioning.
- Created a proof-of-concept that integrated **Redis** into an existing microservice with an open source library which led to the usage of Redis within the whole architecture.

**Teaching Assistant**                  **George Mason University**                  **Jan 2019 – May 2019**

- Monitored online learning platform to guide students with projects, and answer questions about foundational Computer Science data structures (course name CS 310 Data Structures).

**Software Engineer Intern**                  **Fraunhofer CESE**                  **May 2018 – Oct 2018**

- Developed a mobile gaming app for the University of Maryland's College of Medicine, Pharmacy, and Nursing students to study pathogens and their diseases.
- Designed and developed data models that represent pathogens, and created **REST API** endpoints for database access with **Django**.
- Proto-typed mobile UI with **React Native** to provide a basis for future work.

## PROJECTS

**Zen Investing**                                                                      **Nov 2023 - Present**

https://github.com/wwrk22/zen-investing

- Work-in-progress web application created for the purpose of researching public companies to make personal investment decisions made with **Ruby on Rails** and deployed on **Heroku**.
- Provides certain business metrics such as return-on-invested-capital with financial data retrieved from the SEC's EDGAR API.

**Mastermind**                                                                      **March 2023**

https://github.com/wwrk22/mastermind

- The game of Mastermind on the command line, built with **Ruby** and **RSpec** for the purpose of learning **TDD** and **refactoring** basics.