Jack MacDonald

Raleigh, NC 27606

704-299-7093 | [jmmacdo4@ncsu.edu](mailto:jmmacdo4@ncsu.edu)

www.jmacdonald.net

# Education

* North Carolina State University Graduating May 2021
* Master of Computer Science
* **GPA: 4.0**

# Experience

Software Development Intern Charlotte, NC

Wells Fargo Securities Summer 2019

* Built a React.js web app that was clean, scalable, and intuitive.
* Prepared my app for a production environment and oversaw its deployment.
* Worked with dynamically changing requirements requested by co-workers.

Undergraduate Research Assistant Raleigh, NC

North Carolina State University with Dr. Vincent Freeh Spring 2019

* Worked with a small, self-managed development team.
* Built high quality software by deadlines managed through Agile sprints.

# Techincal Skills

* Proficient: Java, React, C, Selenium, SQL, Django, HTML, CSS, Spring, Bootstrap
* Intermediate: Python, Ruby, Assembly, Linux, Jenkins, Cucumber, Hibernate, MySQL, PostgreSQL, Maven
* Learning: Neural Networks, Data Science

# Projects

* *CacheViewer:* A React.js and Spring web app built to view/edit/delete caches in an in-memory Oracle Coherence Cache. The app is dynamic and supports the editing of hundreds of data types using reflection in Java.
* *Athlete360:* A Django Rest Framework web application built to handle athlete management. Monitors fitness test data and displays useful graphics built on analytics.
* *iTrust:* A Java web application developed with a team in Software Engineering. It allows healthcare providers to share essential patient information and view aggregate patient data.

# Activities

* Vice President of NC State’s ACM chapter
* NCSU Computer Science Department Ambassador