

# Jack MacDonald

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## EDUCATION

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

## EXPERIENCE

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**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.

## TECHINICAL SKILLS

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- 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

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- *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

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- Vice President of NC State's ACM chapter
- NCSU Computer Science Department Ambassador