

# Jack MacDonald

1910 Entrepreneur Dr. Raleigh, NC 27606  
704-299-7093 | [jmmacdo4@ncsu.edu](mailto:jmmacdo4@ncsu.edu)  
[www.jmacdonald.net](http://www.jmacdonald.net)

## EDUCATION

---

- North Carolina State University Graduating May 2020
- B.S. in Computer Science (Junior)
- **GPA: 4.0**

## EXPERIENCE

---

**Test Automation Intern** Raleigh, NC  
*Sunbird DCIM* October 2018 - January 2019

- Built automated tests and learned the intricacies of testing a large web application.
- A professional technical environment which required valuable team skills.
- Working during the school year taught prioritization and time management to fit deadlines.

**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

---

- Proficient: Java, C, Selenium, SQL, Django
- Intermediate: Ruby, Python, Assembly, Linux, Jenkins, HTML, CSS, Cucumber, Hibernate, MySQL, PostgreSQL, Maven, Spring
- Learning: Angular, Bootstrap

## PROJECTS

---

- *PowerIQ*: A Ruby on Rails web application built to monitor important Data Center readings, such as power consumption and temperature, from a variety of hardware vendors.
- *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
- Volunteer at Liberty Hospice of Raleigh, NC