

# JACINTO FERNANDEZ

Charlotte, North Carolina 28270 • 980.254.1859

jackfernandez@gatech.edu • jackfernandez.myportfolio.com • linkedin.com/in/jack-fernandez • U.S. Citizen

## EDUCATION

**GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing**  
**Bachelor of Science in Computer Science**

**Atlanta, Georgia**

*December 2022*

GPA: 3.91

- Concentration: People and Media
- Minor: Computing & Business through the Denning Technology & Management Program
- Provost Scholar: One of 40 non-resident students awarded an out-of-state tuition waiver out of 1,250 possible candidates
- Honors Program Student
- Pacific Study Abroad Program in Australia and New Zealand

*January – March 2020*

## TECHNICAL SKILLS

**Programming:** Java, Python, HTML, CSS, Scala, C

**Other Technical:** Git, JIRA, Linux, AWS, AppDynamics, Elastic Stack, Jenkins, Vault, Scrum, Kanban, Rundeck, Docker

## PROFESSIONAL EXPERIENCE

**GOOGLE**

**Atlanta, Georgia**

*Software Engineering Intern (Remote) / Google Cloud Platform*

*August 2021 – Present*

- Built a framework to render custom server metrics stored in Prometheus onto an Angular based user interface

**QUALTRICS**

**Seattle, Washington**

*Software Engineering Intern (Remote) / Security Development*

*May – August 2021*

- Identified phishing fraud on the Qualtrics platform by building a natural language processing model in AWS Sagemaker
- Increased precision of phishing detection by over 500% percent
- Built a machine learning pipeline for automated dataset creation, model training, and deployment triggered by RESTful API
- Coordinated with three teams to ensure customer data was properly protected, aggregated, and anonymized

**BANK OF AMERICA**

**Charlotte, North Carolina**

*Summer Analyst (Remote) / Global Technology & Operations Department*

*June – August 2020*

- Scraped over financial and regulatory data to build a large text corpus using Python, Requests, and other NLP tools to clean and process documents into the proper format based on exploratory data analysis
- Built an unsupervised machine learning model and an interactive HTML visualization of results
- Led a team of eight interns to modify “Better Money Habits” teaching materials for formerly incarcerated individuals
- Created a stock portfolio with diversified risk that outperformed the S&P 500 using Python and quantitative methods

**DUKE ENERGY**

**Charlotte, North Carolina**

*DevOps Intern / Cloud Native Practice Team*

*May – August 2019*

- Deployed API proxies in Apigee and applications to PAS using Concourse pipelines
- Provided continuous application support to 11 product teams
- Created documentation on the CI/CD process and Elastic Stack architecture
- Helped develop an internal production website using Java and HTML to host documentation
- Created custom AppDynamics dashboards conforming to specific product team needs

## PROJECTS

**GEORGIA INSTITUTE OF TECHNOLOGY & EMORY UNIVERSITY**

**Atlanta, Georgia**

*HACK COVID-19 Hackathon (Remote)*

*May 2020*

- Selected as a finalist from 125 teams
- Pitched an application called CoronAlert to improve health and safety during the pandemic
- Estimated distance between devices using Bluetooth signals allowing for automated social distancing reminders
- Endorsed by CDC division director, Robert Tauxe and accepted to MITRE Corporation’s COVID-19 healthcare coalition

## LEADERSHIP

**GEORGIA INSTITUTE OF TECHNOLOGY**

**Atlanta, Georgia**

*Programmer / Space Systems Design Lab (SSDL) Stratos and Ground Station Teams*

*December 2018 – December 2019*

- Wrote Python code to derive accurate temperature measurements from a Wheatstone bridge circuit and send temperatures to the radio component to be downlinked to ground station
- Led a team which created the ground station website allowing for live tracking and telemetry of SSDL satellites