

# Jonathan Daniel

jmdanie@clemson.edu | (404) 821-2889

## TECHNICAL EXPERIENCE

### META

#### SOFTWARE ENGINEERING INTERN

Fall 2021 | Menlo Park, CA (Remote)

- Developed and implemented a UI to help users understand if a Live Broadcast was interrupted due to poor network conditions.
- Refactored playback stall monitor in **Kotlin** to trigger dynamic rebuffering.
- Tuned and optimized values used to determine initial buffering for video playback.

### STATE FARM

#### TECHNOLOGY INTERN

Summer 2021 | Bloomington, IL (Remote)

- Developed dashboards using **DynaTrace** to monitor backend services and establish performance standards.
- Developed endpoint in **Spring** backend service for retrieving multiple customers' data.
- Contributed to Modernization Efforts while developing **JUnit** and **Karate** tests.

### WATT FAMILY INNOVATION CENTER

#### CEVAC INTERN

Spring 2021 | Clemson, SC

- Developed Time Series Models using **Facebook Prophet** and **XGBoost**
- Analyzed Time Series Data with **Pandas** and **Jupyter Notebooks**

#### UNDERGRADUATE RESEARCH ASSISTANT

Fall 2020 – Ongoing | Clemson, SC

- Develop Named-Entity Recognition models with **PyTorch**
- Use **Anaconda** environments on the Palmetto Cluster to train models

### CLEMSON UNIVERSITY AUTONOMOUS SYSTEMS GROUP

#### UNDERGRADUATE RESEARCH ASSISTANT

Summer 2020 – Spring 2021 | Clemson, SC

- Developed multi-agent mapping strategies with the **Robot Operating System**
- Created autonomous navigation strategies for the F1TENTH competition.

## INVOLVEMENT

### CLEMSON UNIVERSITY SCHOOL OF COMPUTING

#### UNDERGRADUATE TEACHING ASSISTANT

Fall 2020 | Clemson, SC

- Assisted students with **C** and **C++** lab assignments in Programming Methodology
- Clarified concepts learned in lecture through office hours

### CUHACKIT

#### LEAD OF HACKERHELP

Summer 2020 – Ongoing | Clemson, SC

- Leads team of students that organizes workshops and recruits mentors.
- Leverages feedback from previous participants to increase impact of workshops.

### CLEMSON UNIVERSITY CAMPUS RECREATION

#### SPORTS PROGRAMS MANAGER

Fall 2019 – Fall 2021 | Clemson, SC

- Facilitate virtual recreational engagement opportunities
- Initiate injury treatment and emergency protocols

### TIGERVISION

#### CHIEF ENGINEER

Fall 2019 – Ongoing | Clemson, SC

- Coordinate and train Production Assistants for television programs
- Assist with on-site broadcasting for various student organizations

## SKILLS

### PROGRAMMING LANGUAGES

Python • C/C++ • Java • SQL  
Javascript • Kotlin

### DATA SCIENCE + ML

IBM Watson • Jupyter • Seaborn  
Pandas • Scikit-Learn • NumPy  
PyTorch • Matplotlib

### TECHNOLOGY

Git • Docker • Linux • ROS • LaTeX  
Arduino • Flask • Google Cloud  
Android • Heroku • JUnit • Node.js  
Express.js

### MISCELLANEOUS

Research • Presentation • MVC  
Object-Oriented Design

## EDUCATION

### CLEMSON UNIVERSITY

May 2023 | Clemson, SC

B.S. Computer Science

GPA: 3.93/4.0

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Mobile App Development  
Discrete Structures  
Introductory Business Statistics  
Linear Algebra

## HONORS

### CLEMSON NATIONAL SCHOLAR

Member of ten-student cohort in  
Clemson's academic full-scholarship  
program.

### CUSEHACKS 2021 BEST

#### COVID HACK

Team award given for the best hack  
that addresses the COVID-19  
pandemic.

### CUHACKIT 2020 BEST

#### BEGINNER HACK

Team award given for developing the  
best project of all novice hackers.

### HELLOWORLD 2019 BEST

#### AR/VR HACK

Team award given for the best usage  
of Augmented and/or Virtual Reality.

## LINKS

Github:// **JDaniel41**

LinkedIn:// **jonathandaniel23**