

Jonathan Daniel

jmdanie@clemson.edu | jonathandaniel.tech

TECHNICAL EXPERIENCE

LYFT

SOFTWARE ENGINEERING INTERN

Summer 2022 | San Francisco, CA

- Developed suite of **Python** validation tools to verify model serving configurations.
- Developed features to address weaker areas of the model validation process for LyftLearn Serving.
- Developed intergrations with **AWS S3** for loading cloud-stored models.

CLEMSON CAPSTONE PROGRAM - AMAZON WEB SERVICES

SOFTWARE ENGINEER

Spring 2022 | Clemson, SC

- Implemented a localization feature for sign-in tracking system.
- Adjusted **DynamoDB** structure to more efficiently track user information.
- Implemented **PyTest** unit testing framework for **AWS Lambdas**.

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** for monitoring backend services.
- Created 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, Spring 2022 | Clemson, SC

- Refactored Python modules for rapid testing of different model architectures.
- Developed Time Series Models using **NeuralProphet**, **XGBoost** and **Tensorflow** for predicting building occupancy and power usage levels.

UNDERGRADUATE RESEARCH ASSISTANT

Fall 2020 – Ongoing | Clemson, SC

- Created Python scripts for generating over 250,000 audio transcripts of mutated text for **PyTorch** model.
- Assisted with developing NER models for scoring running record reading assesments.

INVOLVEMENT

CLEMSON UNIVERSITY SCHOOL OF COMPUTING

UNDERGRADUATE TEACHING ASSISTANT

Fall 2020, Fall 2021 | Clemson, SC

- Assisted students with **C** and **C++** lab assignments in Programming Methodology

CUHACKIT

CO-DIRECTOR

Summer 2020 – Ongoing | Clemson, SC

- Leads a team of students that organizes 2 hackathons at Clemson University.

EDUCATION

CLEMSON UNIVERSITY

May 2023 | Clemson, SC

B.S. Computer Science

GPA: 3.93/4.0

SKILLS

LANGUAGES

Proficient:

Python • C++ • Java

Intermediate:

C • Javascript • SQL

Beginner:

Kotlin • AWS

DATA SCIENCE + ML

IBM Watson • Jupyter • Seaborn

Pandas • Scikit-Learn • NumPy

PyTorch • Matplotlib

TECHNOLOGY

Git • Docker • Linux • LaTeX

Android • Heroku • JUnit • Node.js

Express.js • React.js

MISCELLANEOUS

Research • Presentation • MVC

Object-Oriented Design

COURSEWORK

Algorithms and Data Structures

Foundations of Computer Science

Mobile App Development

Database Management Systems

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](#)