Jonathan Daniel

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TECHNICAL EXPERIENCE

FACEBOOK
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.
- Levarages 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**