



# KYLE DAMPIER

## Full Stack Developer

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## SKILLS

CI/CD Data Science  
Machine Learning (MLOps)  
Data Structures & Algorithms  
Frontend (Mobile & Web)  
Backend  
Relational Databases  
NoSQL Databases  
User Experience Design  
Entrepreneurship

## TOOLS

Git Jenkins CircleCI  
Vercel Unity MySQL  
PostgreSQL SQL Server  
MongoDB Cassandra  
SwiftUI Kotlin  
React Native Flutter  
Flask FastAPI

## LANGUAGES

JavaScript: Node.js, React, Next.js, Svelte, Angular

Python: Tensorflow, Py-Torch, SciKit, Databricks

C#: .NET, Unity, Json.NET

C++: CUDA, OpenGL, Boost, POCO, SQLite, FFMPEG

Go: GraphQL, REST, Data Pipelines

Java: Spark, Flutter & React Native Libraries

## EDUCATION

### Bachelors of Science | University of Florida

2019 - 2023 Gainesville, FL  
Herbert Wertheim School of Engineering - GPA: 3.62, Cum Laude

## EXPERIENCE

### Data Science Intern | Dun & Bradstreet

May 2022 - Dec 2022 Jacksonville, FL  
Implemented and Designed a model monitoring system to track, visualize and notify managers/executives of anomalies in model input and output  
Utilized Graph Neural Networks and graph2vec to predict missing connections in their supply chain data  
Designed and prototyped a web interface using react to visualize risk in their client's supply chain using Next.js

### Research Assistant | Florida Institute of Cyber Security

Jan 2020 - Aug 2021 Gainesville, FL  
Trained Machine Learning models using TensorFlow for Natural Language Processing  
Configured and optimized machine learning models on a distributed supercomputer  
Collected and cleaned data for machine learning models and open source

### Software Engineering Intern | Advanced Software Products Group

Jul 2017 - Jan 2020 Naples, FL  
Utilized SwiftUI and Kotlin to create fully configurable mobile applications for their enterprise active directory password reset software  
Designed and implemented a more efficient and personalized user experience for their password reset software frontend using React  
Spearheaded development on Time-based One-Time-Password (TOTP) functionality for dual authentication using Flutter

## NOTABLE PROJECTS

### Senior Design - Volumetric Segmentation Unity | |

Jan 2023 - May 2023  
Developed C# library to process MRI and CT scans using the MONAI Label API  
Researched supervised learning algorithms and visualizations for medical imaging

### The G[AI]TOR Club - Machine Learning Mondays |

Jan 2022 - Mar 2023  
Co-Founded The G[AI]TOR Club in the 2nd semester of my junior year at UF  
Educated UF students about Machine Learning (ML) and Artificial Intelligence (AI)  
Hosted bi-weekly lectures for students to learn ML and walk through example code  
Utilized my design and public speaking skills to simplify and effectively communicate complicated ML concepts