Scott Spicer

813-924-4934 | scottspicer24@gmail.com | scottspicer.com | linkedin.com/in/ScottSpicer1 | github.com/scottspicer24

EDUCATION

University of Central Florida — Orlando, FL
Masters of Science in Computer Science — *Expected Jan. 2025 – Dec. 2025*

University of Central Florida — Orlando, FL
Bachelor of Science in Computer Science (GPA: 3.7/4) — *Jan. 2023 – Dec. 2024*

University of Central Florida — Orlando, FL
Bachelor of Science in Industrial Engineering, Minor in Mathematics (GPA: 3.7/4) — *Aug. 2017 – Dec. 2021*

TECHNICAL SKILLS

Languages: JavaScript (NodeJS), TypeScript, Python, Java, C#, C, SQL, HTML/CSS
Frameworks: React Native, Flask, .Net, Bootstrap
Developer Tools: Amazon Web Service, Git, GitHub, VS Code, Visual Studio, Jupyter Notebook, IntelliJ, Command Prompt, Bash, Google Colab
Libraries: Tensorflow, Pytorch, Windows Forms, Scikit-Learn, Pandas, NumPy, Matplotlib

PROJECTS

Fitness Tracking Mobile App | *React Native, AWS, Python, iOS and Android* — May 2024 – Current
- A solo project to track workouts created out of a desire for unique functionality and experience with these technologies.
- Stylized a React Native front-end for intuitive and streamlined fitness and health management.
- Utilized AWS Amplify and AWS Cognito to reliably manage authentication sessions and user accounts.
- Developed and deployed REST API's and Lambda functions in AWS to automate data processing.
- Designed and implemented robust and scalable NoSQL DynamoDB tables.

MiSu: Smart Home Acccess Control | *React Native, AWS, Python, iOS and Android* — Jan 2024 – Current
- Worked with an agile based team of 5 to revive a smart home app that allows owners to let guest use their devices.
- Debugged or recreated legacy Lambda functions and REST APIs in AWS, ensuring system integration.
- Developed and implemented a WebSocket API, facilitating real-time data communication.
- Collaborated with front-end developers to integrate API's into a React Native application.

Multiplayer Chess Desktop App | *C#, .NET, Windows Forms, Windows* — Jan. 2024 – May 2024
- Worked with a team of 4 to create a windows desktop application to allow users to play chess with friends online.
- Designed and implemented the back-end logic for a chess game engine using .NET and C#.
- Created and conducted thorough testing and debugging to ensure accuracy of the game logic under various scenarios.

Madrid Home Price Estimator | *Python, Sklearn, Numpy, Pandas* — Aug. 2023 – Dec 2023
- Performed comprehensive data preparation and preprocessing, ensuring high-quality input for model training.
- Implemented and trained models using AdaBoost and Random Forest algorithms to predict home prices.
- Evaluated model performance and optimized algorithms to enhance predictive capabilities.

EXPERIENCE

Teaching Assistant — Jan 2024 – Current
University of Central Florida — *Orlando, FL*
- Assisted in the instruction and grading of undergrad computer science courses, including Computer Science 2 and Systems Software.
- Utilized Java and C, to demonstrate data structures, algorithms, and designing a compiler.
- Conducted weekly lab sessions, office hours, and developed supplementary material to support students.

Supply Chain Leader — Jan. 2022 – Dec. 2022
PepsiCo — *Orlando, FL*
- Managed in a fast-paced manufacturing plant that created over $2 million of dollars worth of product daily.
- Led a team of 12 mechanics in prioritizing different emergency calls and scheduled work.
- Worked cross-functional across departments to solve unexpected problems while maximizing run time.
- Actively contributed to determining, planning, and monitoring equipment efficiency improvement projects.