

# Jason Saini

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## EDUCATION

### University of Central Florida

Orlando, Florida

*Bachelor of Science - Computer Science (Dean's List x6, Bright Futures Scholar)* August 2020 - December 2024

*Supplemental Instruction Leader for Data Structures & Algorithms* January 2022 - Jun 2022

- **Impact:** Reinforced student understanding of CompSci theory (data structures, algorithms, space/time complexity)
- **Supplemental Instruction:** Delivered SI Sessions to over 100 students via live programming demos in C

### Association for Computing Machinery

Orlando, FL

*Vice President* August 2022 - June 2024

- **Impact:** Doubled growth of UCF's ACM chapter by involving over 300 peers in tech-focused opportunities
- **Career Preparation:** Led career workshops on software engineering, project management & technical interviews

## PROFESSIONAL EXPERIENCE

### Amazon

Seattle, WA

*Cloud Solutions Architect Intern (AWS)* June 2024 - Present

- **AWS Training:** 12-week intensive training program on AWS cloud technologies, focusing on EC2, S3, & load balancers.
- **Architecture:** Develop expertise in cloud architecture & security, ensuring robust protection & optimal performance of AWS infrastructure.
- **Automation:** Leverage Python to develop automation scripts for deployment, monitoring, & maintenance.

### Southwest Airlines

Dallas, TX

*Software Engineer Intern (Global Distribution Systems)* January 2024 - May 2024

- **Kafka Alert Automation:** Engineered a solution to convert Kafka health alerts into support tickets & leadership dashboards, achieving a 40% faster issue resolution & improving response efficiency.
- **Mock DynamoDB Testing:** Enhanced message router service with a unit test, boosting testing coverage by 15%.
- **AWS Bedrock Presentation:** Delivered detailed overview on Generative AI & AWS Bedrock to key stakeholders.

*Technology Analyst Intern (Lean Portfolio Management)*

January 2023 - May 2023

- **Stakeholder Reporting:** Collaborated on enterprise-level Scaled Agile development reporting of over 5,000 employees using Alteryx & Tableau
- **Data Engineering:** Reduced data processing workflow execution time by 75% via query optimization in Alteryx
- **Requirements Gathering:** Met with executive leadership to collect data analysis & reporting needs surrounding enterprise portfolio management (SAFe)

### Morgan Stanley

Alpharetta, GA

*Software Engineer Intern (Public Cloud)* June 2023 - August 2023

- **Cloud Technologies:** Internally deployed Azure-based applications & solutions to over 20,000 engineers & analysts
- **Firewall Auditor Project:** Independently developed firewall auditor in Python for internally provisioned Databricks engineering environments, reducing validation time by 50%
- **Open-AI:** Developed a CLI using OpenAI API that automates code generation from user inputs, increasing code throughput by 20%, w/ features for parsing & integrating internal documentation

### Siemens Digital Industries Software

Remote

*Software Engineer Intern (Installation Solutions)* August 2022 - Dec 2023

- **Desktop Development:** Enhanced user flows & data persistence for 6 million users, achieving 30% quicker installation experience
- **CI/CD:** Managed 8 GitLab configurations, enhancing deployment efficiency by 25% & minimizing compilation overhead
- **Agile Delivery:** Delivered reliable software written in C++ (Qt) & Java, tracking progress in Jira (Scrum)
- **User Experience:** Increased overall accessibility & reliability by 40% via 17 new features & bug fixes

### Optum

Remote

*Software Development Intern (Backend)* June 2022 - August 2022

- **API Development:** Created C# API to handle application access approval achieving a 25% reduction in approval time
- **Technical Presentations:** Led 4 "Shark Tank" presentations covering Sprint development progress to 200 stakeholders

## PROJECTS

- **CNN Image Classifier:** Leveraged a convolutional neural network (CNN) & deep learning for efficient classification that effectively distinguishes between "happy" & "sad" images, performing on data sourced from Google Images.Tech: TensorFlow, Keras, OpenCV, Matplotlib [Link](#)
- **VS Clone:** Develop a Python-based code editor, mirroring Visual Studio Code's functionalities & aesthetics, implementing API-powered auto-complete, lexer for Python code, & file manager (Work in Progress) Tech: Python, Qt5 [Link](#)
- **SoundScout:** Leverage Spotify API to retrieve information about songs from a playlist, perform data processing & feature extraction, & provide recommendations based on similarity & popularity scores. Tech: Python, SciKit, pandas [Link](#)
- **Learning ML Algorithms:** Solved various machine learning problems using exploratory data analysis, linear regression, classification, natural language processing, deep learning & neural networks. [Link](#)

## SKILLS SUMMARY

**Languages/Frameworks:** Python, Java, C/C++, C#, Qt, JavaScript, TypeScript, SQL/mysql, Kotlin, Azure, React

**Version Control/Unit Testing:** Git/GitHub/GitLab, Azure DevOps, Postman, XUnit, Gradle, Junit5, Google Test

**Data Science/Visualization, AI, Machine Learning:** OpenAI, NumPy, Pandas, Keras, TensorFlow, Alteryx, Tableau