Jason Saini

Website: jason-saini.com
Github: github.com/jasonsaini
Email: jason.saini@ucf.edu
Mobile: 407-777-6673

Education

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

Skills Summary

AWS Certifications: Cloud Pract. (CLF-C01), Solutions Architect Assoc. (SAA-C03), Dev. Assoc. (DVA-C02, In-Progress)
Languages/Frameworks: Python, AWS, Java, C/C++, C#, JavaScript, SQL/mySQL, Kotlin, Azure, React
Version Control/Unit Testing: Git/GitHub/GitLab, Azure DevOps, Postman, moto, Gradle, Junit5, Google Test
Data Science/Visualization, AI, Machine Learning: OpenAI, NumPy, Pandas, Keras, TensorFlow, Alteryx, Tableau

Experience

Headstarter AI — San Francisco, CA
Software Engineer Fellow — *July 2024 - August*
- Build 5+ AI apps & APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Develop projects from design to deployment leading 4+ engineers using MVC design patterns
- Coaching by Amazon, Bloomberg, & Capital One engineers on Agile, CI/CD, Git & micro-service patterns

Amazon — Seattle, WA
Cloud Engineer Intern (AWS) — *June 2024 - Present*
- Developed custom solution for deployment, monitoring, & maintenance of S3 usage using Python, boto3, & Cloud9
- Integrate CloudWatch & CloudTrail APIs for comprehensive access log management, resulting in a 40% increase in security compliance
- Created & optimized Python scripts for automating routine tasks & troubleshooting Linux instances via SSH, reducing manual intervention time by 30%

Morgan Stanley — Alpharetta, GA
Software Engineer Intern (Public Cloud) — *June 2023 - August 2023*
- Internally deployed Azure-based applications & solutions to over 20,000 engineers & analysts
- Independently developed firewall auditor in Python for internally provisioned Databricks engineering environments, reducing validation time by 50%
- 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

Southwest Airlines — Dallas, TX
Software Engineer Intern (Global Distribution Systems) — *January 2024 - May 2024*
- Engineered a solution to convert Kafka health alerts into support tickets & leadership dashboards, achieving a 40% faster issue resolution & improving response efficiency.
- Enhanced message router service via unit testing (moto), boosting testing coverage by 15%.
- Delivered detailed overview on Generative AI & AWS Bedrock to key stakeholders.

Technology Analyst Intern (Lean Portfolio Management) — *January 2023 - May 2023*
- Collaborated on enterprise-level Scaled Agile development reporting of over 5,000 employees using Alteryx & Tableau
- Reduced data processing workflow execution time by 75% via query optimization in Alteryx
- Met with executive leadership to collect data analysis & reporting needs.

Siemens Digital Industries Software — Remote
Software Engineer Intern (Installation Solutions) — *August 2022 - Dec 2023*
- Enhanced user flows & data persistence for 6 million users, achieving 30% quicker installation experience
- Managed 8 GitLab configurations, enhancing deployment efficiency by 25% & minimizing compilation overhead
- Delivered reliable software written in C++ (Qt) & Java, tracking progress in Jira (Scrum)
- Increased overall accessibility & reliability by 40% via 17 new features & bug fixes

Optum — Remote
Software Development Intern (Backend) — *June 2022 - August 2022*
- Created C# API to handle application access approval achieving a 25% reduction in approval time
- Led 4 "Shark Tank" presentations covering Sprint development progress to 200 stakeholders

Projects

- **Student At-Risk Predictor (Ongoing)**: Managing team of 5 to develop a full-stack integration for Canvas (LMS) to reliably & accurate predict students at-risk of failing their classes. Developed 99% accurate algorithm for risk-prediction using Python & pandas. Link
- **CNN Image Classifier**: Leveraged a convolutional neural network (CNN) & deep learning for efficient classification to effectively distinguish between "happy" & "sad" images, performing on data sourced from Google Images. 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 Link
- **SoundScout**: Leverage Spotify API to retrieve information about songs from a specific playlist, perform data processing & feature extraction, & provide recommendations based on similarity & popularity scores. Link
- **J.P. Morgan Software Engineering Virtual Experience**: Used Python & JPMorgan Chase's open source library (Perspective) to generate a live graph that displays a data feed for traders