Jason Saini

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Education

- **University of Central Florida** — Orlando, Florida
  Bachelor of Science - Computer Science — *August 2020 - December 2024*

Skills Summary

- **Programming Languages**: Python, Java, C/C++, C#, JavaScript, TypeScript, SQL/mySQL, Kotlin, HTML/CSS
- **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

Professional Experience

- **Siemens Digital Industries Software** — Remote
  Software Developer Intern (Software Delivery) — *January 2023 - Current*
  - **Desktop Application Development**: Developed custom installation solutions across 4 customer product groups.
  - **Software Delivery & Agile**: Delivered reliable software written in C++ (Qt) & Java,tracking progress in Jira (Scrum)
  - **User Accessibility & Reliability** : Increased overall accessibility & reliability by 30% through features & bug fixes.
- **Morgan Stanley** — Alpharetta, GA
  Enterprise Engineering Intern (Public Cloud Transformation Services) — *June 2023 - August 2023*
  - **Cloud Technologies**: Supported & developed cloud-based software compliant with firm-wide cyber-security standards
  - **Firewall Auditor Project**: Independently developed firewall auditor in Python for internally provisioned Databricks engineering environments, reducing validation time by 50%
  - **Open-AI Code Generation**: Leveraged OpenAI API to create CLI that generates code based on user-specified functionality & internal documentation
  - **Development Environments**: Operated in cross-platform development environment using IDEs on Windows & using Linux (SSH) runtime environments
- **Southwest Airlines** — Remote
  Technology Analyst Intern (Lean Portfolio Management) — *January 2023 - May 2023*
  - **Enterprise Reporting**: Coordinated w/ senior analysts to report enterprise-level Scaled Agile development 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 and reporting needs surrounding enterprise portfolio management (SAFe)
- **Optum** — Remote
  Backend Development Intern — *June 2022 - August 2022*
  - **API Development**: Created a C# API to handle application access approval & tested in Postman to assure code quality/reliability
  - **Technical Presentations**: Led bi-weekly "Shark Tank" presentations covering relevant business strategy & sprint development progress

Leadership

- **Association for Computing Machinery** — Orlando, FL
  Vice President — *August 2022 - Current*
  - **Impact**: Doubled growth of UCF's ACM chapter by involving over 300 peers in tech-focused opportunities
  - **Career Preparation**: Lead career workshops on technical skills including software engineering, project management & technical interviews
- **University of Central Florida** — Orlando, FL
  Supplemental Instruction Leader for Data Structures & Algorithms — *January 2022 - Jun 2022*
  - **Impact**: Reinforced student understanding of computer theory(data structures & algorithms, space/time complexity, memory)
  - **Supplemental Instruction**: Conducted SI Sessions that guide students through course materials and programming concepts in C.

Projects

- **Algorithms for Machine Learning**: Solved various machine learning problems using exploratory data analysis, linear regression, classification, natural language processing, deep learning & neural networks. Tech: Python, Jupyter Notebook, TensorFlow, Seaborn, SciKit, keras, pandas
- **SoundScout**: Leverage Spotify API to retrieve information about songs from a specific playlist, perform data processing and feature extraction, and provide recommendations based on similarity & popularity scores Tech: Python, SciKit, pandas
- **"In Search of Thunder" - 3D Unity Game**: Led collaborative creative efforts towards user-experience, game design, story,premise, technical tradeoffs, AI programming. Create scripts in C# to model desired agents via traditional AI techniques (collision detection, navigation, finite state machines)