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*

PROFESSIONAL EXPERIENCE

Siemens Digital Industries Software — Remote
Software Engineer Intern (Installation Solutions) — *January 2023 - December 2023*
- **Desktop Development**: Enhanced user flows & data persistence for over 6 million users, achieving a 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

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

Southwest Airlines — Dallas, TX
Product Management Intern (Lean Portfolio Management) — *August 2022 - Dec 2022*
- **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)

Optum — Remote
Software Development Intern (Backend) — *June 2022 - August 2022*
- **API Development**: Created a C# API to handle application access approval & tested in Postman to assure code quality/reliability, achieving a 25% reduction in access approval time
- **Technical Presentations**: Led bi-weekly "Shark Tank" presentations covering relevant business strategy & sprint development progress to over 200 stakeholders

LEADERSHIP

University of Central Florida — Orlando, FL
Technical Project Manager for Student-at-Risk Predictor — *January 2024 - Current*
- **Impact**: Led a team of 5 in the successful design & implementation of a student at-risk predictor, utilizing Jira for effective project tracking, task allocation, & deadline management
- **Generative AI**: Innovated an AI-driven educational tool using GPT-4, to provide personalized YouTube content targeting academic weak points, dynamically generating JSON data for API integration, significantly enhancing learning resources.

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 - Current*
- **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

PROJECTS

- **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

- **CNN Image Classifier**: TLeveraged a convolutional neural network (CNN) & deep learning for efficient classification, effectively distinguishes between "happy" & "sad" images, performing on data sourced from Google Images. 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 Tech: Python, Jupyter Notebook,TensorFlow, Seaborn, SciKit, keras,pandas 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