Justin Adam

Portfolio: https://justin-adam-portfolio.vercel.app/

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EDUCATION

University of Florida — Gainesville, FL
B.S. in Computer Science w/ Chemistry Minor; GPA: 3.88/4.0; Dean's List x4 — *Aug. 2021 – May 2025*
Courses: Operating Systems, Data Structures, Algorithm Abstraction, Software Engineering, Machine Learning

EXPERIENCE

Asana — San Francisco, CA
Software Engineer Intern - Mobile Development — *Jan 2024 - Mar. 2024*
- Working on Android development on the Mobile Experience team, writing business logic and creating features
- Developing APIs to aid application functionalities, ensuring seamless data synchronization
- Engaging in performance tuning and optimization of mobile apps, ensuring smooth and responsive operation

Wells Fargo — Charlotte, NC
Software Engineer Intern — *June 2023 - Aug. 2023*
- Developed React chat-bot with OracleDB, enhancing data access in banking tech infrastructure
- Deployed high-availability clustering for Wells Fargo's investment banking systems, achieving 30% better uptime
- Enhanced banking infrastructure using Java Spring Boot REST APIs, boosting file update efficiency by 25%

University of Florida — Gainesville, FL
Teaching Assistant - Programming Fundamentals 1 — *Aug. - Dec. 2023*
- Teach a class of ∼20 students core programming concepts in hosted lab sections – hold office hours

Microsoft — Tampa, FL
Mentorship Program - Mentee — *July. - Aug. 2022*
- 5 week program learning from Microsoft software engineers - included hackathon project w/ team & workshops

Aite Novarica Group — Boston, MA
Cybersecurity Intern — *May 2020 - Aug. 2020*
- Researched over 400 companies' email security/authentication products to help company email security integration
- Made analytical matrices that were presented company-wide about the adoption of security products in fraud

PROJECTS

Hustle App - *JavaScript, Python, Django, Xcode*
- App where users buy and sell items - buyers compete against buyers for sellers when buyers > sellers & vice versa
- Built in React Native (TSX) that utilizes a MongoDB backend for user data storage - used Agile with partner

Instagram Caption Generation *Python, TensorFlow, LSTM, CNN, RNN*
- ML model taking images as input through a pre-trained CNN (VGG16) to output relevant image captions
- Utilized encoder-decoder architecture where a CNN encodes, then a trained LSTM network decodes image features

NASDAQ Stock Screener (https://gatorscreener.netlify.app/) - *JavaScript, React, HTML*
- React site that compares Tim sort and Quick sort in ms of 100,000 nodes of stock data based on stock features
- Implemented with a backend API in JS feeding up to date stock data - React UI front-end

Android Bound Linux Operating System - *C, C++, Linux*
- Built functional file system which interprets metadata - recreated fuse daemon functionalities for file GUI
- Implemented custom memory manager to handle OS main memory without leaks - proper access
- Created multi-threaded kernel programs, networking implementations, system call functionalities, etc. from scratch

Tic-Tac-Toe AI Opponent (https://tictactoeai.vercel.app/) - *Python, Flask, JavaScript*
- Implemented machine learning algorithms such as MLP (neural network) which has 99% accuracy

INVOLVEMENT/LEADERSHIP

Opportunity Lead, Executive Board (ACM)	May 2023 - Present
University of Florida Club Basketball - Founder	Aug. 2022 - Present
University of Florida Cheerleader	Aug. 2022 - May 2023
ColorStack Member	Aug. 2023 - Present
Hackathons: Harvard (HackHarvard) & ShellHacks	Aug./Oct. 2023

PROGRAMMING SKILLS

Programming Languages: C++, C, Java, JavaScript, Python, SQL, HTML
Technologies: React, Linux, GitHub, Azure, VirtualBox, Spring