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: 3.87/4.0; Dean's List x4   *Graduation Date: May 2026*
Courses: Operating Systems, Data Structures, Algorithm Abstraction, Software Engineering, Machine Learning

EXPERIENCE

Bloomberg   Manhattan, NY
Incoming Software Engineer Intern   *June 2024 - Aug. 2024*

Asana   San Francisco, CA
Software Engineer Intern - Mobile   *Jan 2024 - Mar. 2024*
- Developed/optimized multiple Android app features, creating a 40% increase in user engagements on such segments
- Wrote APIs to aid back-end application functionalities, ensuring data synchronization and backwards compatibility
- Played a pivotal role in developing an advanced caching mechanism for the mobile server, significantly enhancing data efficiency with a 25% reduction in retrieval times for loading and updating multiple related app features
- Implementing robust code for Android using Kotlin, while debugging and optimizing old code bugs/inefficiencies

Wells Fargo   Charlotte, NC
Software Engineer Intern - Investment Banking Infrastructure   *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
- Wrote a Python script using the NLTK library to help analyze weekly financial reports - saves 2 hours per report

Microsoft   Tampa, FL (Remote)
Mentee - Software Engineering Mentorship Program   *June 2024 - Aug. 2024*

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 ∼300 students

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

PROJECTS

Hustle App - *JavaScript, Python, Django, MongoDB, Xcode*
- App where users buy and sell items - buyers compete for sellers when demand for sellers is higher & 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% accurate optimal moves

INVOLVEMENT/LEADERSHIP

Academic: Opportunity Lead (Association for Computing Machinery) | ShellHacks FIU | HackHarvard
Non-academic: University of Florida Cheerleader | University of Florida Men's Club Basketball (Founder)

SKILLS

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