

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: 3.93/4.0; 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

Jan 2024 - Mar. 2024

- Developing android features for the mobile app to help user engagement
- Writing key business logic to support the foundation of particular android 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
- Revitalized parts of the banking infrastructure by developing and implementing Java Spring Boot REST APIs, which resulted in a 20% increase in cloud file update and retrieval efficiency

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
- Full stack site implemented with CSS and HTML along with a Python ML back-end

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