

Justin Adam

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

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EDUCATION

University of Florida

B.S. in Computer Science w/ Chemistry Minor; GPA: 3.88/4.0; Dean's List x4

Gainesville, FL

Aug. 2021 – May 2025

Courses: Operating Systems, Data Structures, Algorithm Abstraction, Software Engineering, Machine Learning

EXPERIENCE

Asana

Software Engineer Intern - Mobile Development

San Francisco, CA

Jan 2024 - Mar. 2024

- Will be working on Android and iOS development on the Mobile Experience team
- Will develop APIs to aid application functionalities, ensuring seamless data synchronization
- Will engage in performance tuning and optimization of mobile apps, ensuring smooth and responsive operation

Wells Fargo

Software Engineer Intern

Charlotte, NC

June 2023 - Aug. 2023

- Created a chat-bot displaying Jira data through React utilizing MongoDB to retrieve updated/accurate data
- Used Python(pywin32) to extract Microsoft Outlook emails to help automate manual tasks - saves 10 hours a month
- Implemented REST APIs using Java Spring Boot to automate SharePoint file/data updates

University of Florida

Teaching Assistant - Programming Fundamentals 1

Gainesville, FL

Aug. - Dec. 2023

- Teach a class of ~20 students core programming concepts in hosted lab sections – hold office hours

Microsoft

Mentorship Program - Mentee

Tampa, FL

July. - Aug. 2022

- 5 week program learning from Microsoft software engineers - included hackathon project w/ team & workshops

Aite Novarica Group

Cybersecurity Intern

Boston, MA

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 on fraud, vulnerabilities, and insider threats

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 - developed with a team

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 data 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) to determine most optimal game move

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