

# Justin Adam

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

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## EDUCATION

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### University of Florida

*B.S. in Computer Science w/ Chemistry Minor; GPA: 3.87; Dean's List x4*

Gainesville, FL

*Aug. 2021 – May 2025*

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

## EXPERIENCE

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### Wells Fargo

*Software Engineer Intern*

Charlotte, NC

*June 2023 - Present*

- 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 Springboot to automate SharePoint file/data updates

### University of Florida

*Teaching Assistant - Data Structures and Algorithms*

Gainesville, FL

*Aug. - Dec. 2023*

- Teach a class of ~20 students core programming concepts in hosted lab sections – hold office hours
- Utilized Canvas API to automate project organization and grading - saves ~40 hours per project

### 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
- Gained technical cybersecurity skills like identifying buffer overflows, DoS, and Cross-Site Scripting attacks

## PROJECTS

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### Hustle App - Founder

- App where users sell and buy 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
- Features: user profile inventory, Stripe API, explore page, buy/sell notifications local to user, competing offers

### Discord Bot - Internship Opportunities

- Bot built using Discord API in Python notifying a server right when internship opportunities are posted
- Uses HTML and npm JS package managers to scrape particular internship postings - 3 hr latency (max)

### NASDAQ Stock Screener - <https://gatorscreener.netlify.app/>

- React site that compares the sorting of Tim sort and Quick sort in ms of stock data based on characteristics
- Implemented with a backend API sources in JS feeding up to date stock data - developed with a team

### Android Bound Linux Operating System - C, C++, Linux, Assembly

- 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

### Pac-Man Mock AI - Java

- Remade Pac-Man w/ integrated AI program collecting game data determining best move for Pac-Man at any instant

### Minesweeper Recreation - C++ w/ SFML Graphical Library

## INVOLVEMENT/LEADERSHIP

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### Opportunity Lead, Executive Board (ACM)

May 2023 - Present

- Lead the Association of Computing Machinery through internship opportunities - created internship discord bot

### University of Florida Club Basketball - Founder

Aug. 2022 - Present

### University of Florida Cheerleader

Aug. 2022 - May 2023

### SHPE (Society of Hispanic Professional Engineers)

April 2023 - Present

## PROGRAMMING SKILLS

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**Programming Languages:** C++, C, Java, JavaScript, Python, HTML, Assembly, Go, SQL, MATLAB

**Technologies:** AWS, JetBrains, React, Linux, Git, GitHub, Spring, VirtualBox, Power BI, Azure