

Matthew Hanson

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AWS Certified Solutions Architect Associate

SUMMARY

I am an aspiring Software Engineer with a passion for improving business processes using technology. I am a 4th year Computer Science Major looking for Software Engineering Intern positions for Summer 2022. I am currently in the combined Bachelors and Masters Computer Science Program at the University of Florida planning to graduate with my Bachelors degree in December 2022 and depending on admission my Masters degree in December 2023.

EDUCATION

Bachelors of Science in Computer Science

August 2018 — December 2022

University of Florida, Herbert Wertheim College of Engineering, Gainesville FL

- **GPA: 3.86/4.0**
- **Relevant Coursework:** Operating Systems, Data Structures and Algorithms, Computer Architecture, and Professional Communication for Engineers

WORK EXPERIENCE

Software Engineering Intern, Giganetworks, Miami FL

Summer 2021

- Led and worked with a team of 3 other Interns to develop a full-stack CRM web application which improved the organization of projects, clients, sales, events, and renewals
- Directed weekly meetings to ascertain the team's design needs and functionality requirements which guided development of the application
- Migrated a legacy MySQL database and built a Ruby on Rails application on top of the database
- Implemented soft deletes and recovery by creating and manipulating an attribute in the MySQL database for each table
- Created email reminders for Deadlines using Ruby on Rails Action Mailer and Rake notifications
- Leveraged knowledge in Full Stack Web Development, Ruby on Rails, MySQL Databases, and Linux OS

VOLUNTEERING AND LEADERSHIP EXPERIENCE

Marketing Lead, UF Association for Computer Machinery (ACM) Gainesville, FL

Summer 2021 — Present

- Increased ACM virtual membership by over 300 members by making announcements in classes with CS students
- Communicating with professors and administration to market professional and social events
- Working with a team to improve student engagement in a club with 750+ virtual members by holding professional and social and events for our members

Dance Marathon Captain and Web Developer, UF Dance Marathon Team Gainesville, FL

Fall 2020 — Present

- Raised \$1,700+ for Shands Children's Hospital by reaching out to connections using social media and email
- Collaborating with a team to implement maintenance and content management for the Dance Marathon Website and iOS app using JavaScript, Swift, and PHP

PROJECTS *(Other projects listed on Github)*

Hatch — (React, Firebase, Full Stack Web Development) hatchmatch.app

Summer 2021—Present

- Developing a platform to give college entrepreneurs the tools to connect and grow an idea
- Currently in MVP phase with over 25 users testing and giving feedback on the product
- Created a real-time chat by using a Firebase Function that listens for changes in the database
- Designed a filtering feature that filters users by passions, skills, or city using a Firestore database document that stores user IDs for each topic

Nutshell — (C, Lex, Yacc, Linux Commands)

- Architected a Unix shell using Lex and Yacc in C with one partner
- Implemented pipes, IO, built-in and non built-in commands by using a command table and Linux system calls

Hackathons: New Years Hackathon, SwampHacks, and Holiday Hacks

- Created 3 small projects using flask in python and react.js which taught me about Full Stack Web Development, GIT, SQL Databases, and working with a team

SKILLS

Expert: Ruby on Rails, AWS, C/C++, Java, Linux, Javascript, GIT

Intermediate: React.js, Firestore Database, Firebase Authentication, SQL

Beginner: Python, Matlab, Google Cloud