

Jordan Matthew Hanson

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EDUCATION

University of Florida, College of Engineering

Gainesville, FL

Masters of Science in Computer Science

January 2023 — December 2023

Bachelors of Science in Computer Science, GPA: 3.85

August 2018 — December 2022

Relevant Courses: Graduate Computer Networks, Data Structures and Algorithms, Operating Systems, Software Engineering, Databases 1, Databases 2, Linear Algebra, Computer Organization, Programming Language Concepts, Numerical Analysis, Applied Discrete Structures

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, Ruby, HTML/CSS, Matlab

Frameworks: Node.js, Spring Boot, React, Junit, Ruby On Rails, React Native, Express, Material-UI, OpenAPI

Developer Tools: Git, Jenkins, Google Cloud Platform, Firebase, AWS, Postman

EXPERIENCE

Teaching Assistant

August 2022 — December 2022

Department of Computer and Information Science and Engineering

Gainesville, FL

- Leading lab sections and office hours for Programming 1 in python

Software Engineering Intern

June 2022 — August 2022

American Express, Travel and Lifestyle Services team

Phoenix, AZ

- As a member of an Agile scrum team, designed and developed a RESTful micro-service with Spring Boot (Java) to calculate carbon emissions and cost of offset for a trip
- Created a Jenkins CI/CD pipeline to automate a Maven build, run unit tests, generate a SonarQube report, and deploy to AMEX cloud
- Implemented Unit and Integration tests with JUnit5 and Mockito to achieve 95% automated test coverage

Undergraduate Researcher

January 2022 — May 2022

Machine Intelligence Lab

Gainesville, FL

- Worked on a team of 60+ other students to develop software to navigate multiple self-driving vehicles
- Migrated packages from Python 2 to Python 3 for self-driving aquatic robots to allow the use of ROS noetic

Software Engineering Intern

May 2021 — August 2021

Giganetworks

Miami, FL

- Led development of a Ruby on Rails CRM web application which improved the organization of sales
- Implemented features such as soft deletes, email reminders, user authentication, and database backups
- Deployed the application on a Debian Linux VM with an Apache server

SELECTED PROJECTS (OTHERS: MATTHEW-HANSON.COM/PROJECTS)

resQ | *React Native, Express, Node* (devpost.com/software/resq-3tng2a)

January 2022

- Achieved **1st Overall** for UF's leading hackathon for a full stack mobile app to protect students at night
- Created Google Cloud functions to send text messages and implemented user authentication using phone numbers

Mission DM | *Node.js, Express, Firebase, React, Javascript*

June 2021 – September 2021

- Created a secret agent style game with **100+ users** generating **\$1000+** for Shands Children Hospital
- Architected a Node.js backend that assigned and sent out emails with targets for each player every three days

Hatch | *Javascript, Firebase, React* (hatchmatch.app)

June 2021 – September 2021

- Developed a platform to give college entrepreneurs the tools to connect and grow an idea with 40+ users
- Implemented Google Authentication, real time chat, user search, and friend request/accept

ON CAMPUS LEADERSHIP

Vice President, Marketing Lead — UF Association of Computer Machinery

May 2021 – Present

- Organized and led professional and social events for a club with **1000+ members**
- Increased virtual membership by **500+ members**

Technology Captain — UF Dance Marathon

August 2020 – May 2022

- Raised **\$3,000+** for Shand's Children's Hospital while working on a team to maintain their website and app