

Jordan Matthew Hanson

matthew.hanson.tech@gmail.com | matthew-hanson.com | [linkedin:jordanhanson2](https://www.linkedin.com/in/jordanhanson2) | [github:jordanhanson1](https://github.com/jordanhanson1)
AWS Associate Solutions Architect

EDUCATION

University of Florida	Gainesville, FL
Master of Science in Computer Science, GPA: 3.71	December 2023
Bachelor of Science in Computer Science, GPA: 3.84	December 2022
Relevant Courses: Applied Machine Learning, Distributed Operating Systems, Natural Language Processing, Advanced Data Structures, Analysis of Algorithms, Computer Networks, Operating Systems, Machine Learning	
Awards: Best Overall Project: UF SwampHacks Hackathon; Second Best Overall Project: UF AI Hackathon	

SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, Ruby, HTML/CSS
Frameworks: Node.js, Spring Boot, PyTorch, React, Ruby On Rails, React Native, Express
Developer Tools: Git, Jenkins, GCP, Firebase, AWS, Postman, SonarQube, JaCoCo
Libraries: NumPy, Pandas, Open API, JUnit, Redux, Jest

EXPERIENCE

Amazon Web Services <i>Software Development Intern</i>	May 2023 — August 2023 Seattle, WA
<ul style="list-style-type: none">Enhanced user experience and search efficiency by implementing prefix matching, category context, and console context in Auto-complete using Java and TypescriptDesigned an innovative OpenSearch mapping to facilitate the addition of these new featuresIdentified and proposed an alternate OpenSearch mapping for the current Auto-complete resulting in a 5-10X decrease in latencyImplemented robust unit tests and integration tests to keep code coverage over 90%, utilized CI/CD pipelines for efficient code integration and deployment, and contributed to a production system serving 1M+ active users	
American Express <i>Software Engineering Intern</i>	June 2022 — August 2022 Phoenix, AZ
<ul style="list-style-type: none">Designed and developed a RESTful micro-service with Spring Boot (Java) for a new travel featureCreated a Jenkins CI/CD pipeline to automate building, testing, scanning, and deploying the application resulting in easy deployment and testing of the new featureImplemented Unit and Integration tests with JUnit5 and Mockito to achieve 95% test coverage and achieved A ratings for all categories in SonarQube code quality report	
Giganetworks <i>Software Engineering Intern</i>	May 2021 — August 2021 Miami, FL
<ul style="list-style-type: none">Led development of a Ruby on Rails and MySQL CRM web application to improve sales workflow	
UF Department of Computer and Information Science <i>Teaching Assistant: Analysis of Algorithms, Programming 1</i>	August 2022 — May 2023 Gainesville, FL
<ul style="list-style-type: none">Organized and led review sessions for a class of 200+ graduate students on different algorithm topics such as Greedy Algorithms and Dynamic programming to prepare students for examsLed weekly office hours to help students with course materials such as labs, homework, exam reviews, and projects	

PROJECTS

DCGAN, DCVAE for CelebA <i>PyTorch, Python</i> (github/jordanhanson1/ganAndVae)	March 2023
<ul style="list-style-type: none">Implemented Deep Convolutional GANs and VAEs to generate faces and digits trained on the celebA and MNIST datasetsDeveloped a creative application of the trained VAE to isolate specific attributes (glasses, smiles) and apply them to other images	
resQ <i>React Native, Express, Node</i> (devpost.com/software/resq-3tng2a)	January 2022
<ul style="list-style-type: none">Achieved Best Overall Project in UF's leading hackathon for a full stack mobile app to protect students walking aloneCreated Google Cloud functions to send text messages and implemented user authentication using phone numbers	
Hatch <i>Javascript, Firebase, React</i> (hatchmatch.app)	June 2021
<ul style="list-style-type: none">Developed a platform to give college entrepreneurs the tools to connect and grow an idea with 40+ usersImplemented Google authentication, real-time chat, search for users, and friend request/accept	

LEADERSHIP

Vice President, Marketing Lead <i>UF Association for Computing Machinery</i>	June 2021 — May 2023
<ul style="list-style-type: none">Organized and led professional, social, and technical events for a club with over 1600 membersLed workshops on different algorithms (Sliding Window, Interval Scheduling, BFS) to prepare members for interviewsIncreased membership by 80% (500 members) by advertising on social media and in large CS classes	
Technology Captain <i>UF Dance Marathon</i>	August 2020 — May 2022
<ul style="list-style-type: none">Maintained and developed an application that helped raise \$1,000+ for Shands Children's HospitalRaised an additional \$2,000+ through fundraising	