Jordan Matthew Hanson

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AWS Associate Solutions Architect

EDUCATION

University of Florida	Gainesville, FL
Masters and Bachelors of Science in Computer Science , **GPA: 3.85**	December 2023

Relevant Courses: Machine Learning, Natural Language Processing, Advanced Data Structures, Analysis of Algorithms, Computer Networks, Operating Systems

Awards: Best overall project UF SwampHacks hackathon, Second best overall project UF AI hackathon

SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), JavaScript, Ruby, HTML/CSS, Matlab
Frameworks: Node.js, Spring Boot, PyTorch, React, JUnit, Ruby On Rails, React Native, Express
Developer Tools: Git, Jenkins, Google Cloud Platform, Firebase, AWS, Postman, SonarQube, JaCoCo
Libraries: Numpy, Pandas, Express, OpenAPI

EXPERIENCE

Amazon Web Services	May 2023 — August 2023
Software Development Intern	*Seattle, WA*

- Improving user experience and search efficiency by improving auto-complete by implementing prefix matching, category context, and console context
- Editing large front-end and back-end code bases to accommodate these changes using java and typescript
- Implementing robust unit tests and integration tests, utilizing CI/CD pipelines for efficient code integration and deployment, contributing to a production system serving **1M+ active users**

American Express	June 2022 — August 2022
Software Engineering Intern	*Phoenix, AZ*

- Designed and developed a RESTful micro-service with Spring Boot (Java) for a new travel feature
- Created a Jenkins CI/CD pipeline to automate building, testing, scanning, and deploying the application
- Implemented Unit and Integration tests with JUnit5 and Mockito to achieve **95% test coverage**
- Achieved A rating for all categories in SonarQube code quality report

Giganetworks	May 2021 — August 2021
Software Engineering Intern	*Miami, FL*

- Led development of a Ruby on Rails and MySQL CRM web application to improve sales workflow

UF Department of Computer and Information Science	August 2022 — May 2023
Teaching Assistant: Analysis of Algorithms, Programming 1	*Gainesville, FL*

- Organized and led review sessions for a class of **200+ graduate students** for exams on different algorithm topics such as greedy algorithms and dynamic programming
- Led weekly office hours to help students with course materials such as labs, homeworks, exam review, and projects

PROJECTS

DCGAN, DCVAE for CelebA	*PyTorch, Python* (github/jordanhanson1/ganAndVae)	March 2023

- Designed and implemented Deep Convolutional GANs and VAEs on the celebA and MNIST datasets
- Developed a creative application of the trained VAE to isolate specific attributes (glasses, smiles) and apply them to non attribute images

resQ	*React Native, Express, Node* (devpost.com/software/resq-3tng2a)	January 2022

- Achieved **Best Overall Project** for UF's hackathon for a full stack mobile app to protect students walking alone
- Created Google Cloud functions to send text messages and implemented user authentication using phone numbers

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

LEADERSHIP

Vice President, Marketing Lead	*UF Association for Computing Machinery*	June 2021 – May 2023

- Organized and lead professional, social, and technical events for a club with **1600+ members**
- Led workshops on different algorithms (sliding window, interval scheduling, BFS) to prepare members for interviews
- Increased membership by **500+** by advertising on social media and in large CS classes

Technology Captain	*UF Dance Marathon*	August 2020 – May 2022

- Raised **$3,000+** for Shand's Children's Hospital by reaching out to connections over Social Media