Adam Del Rosso

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Trained Software Engineer developing a specialty in cloud architecture and development.

Seeking employment for after graduation in May 2021.

Work experience

06/2017 – 07/2018   LIVERPOOL, NY

Software Engineering Internship
C Speed, LLC

- Significantly improved off-premises demo capabilities of flagship product with use of AWS.
- Successfully developed a proof of concept that validated a new business opportunity.
- **Tools**: **Amazon S3, AppStream 2.0, Python, C++**

05/2019 – 08/2019   SYRACUSE, NY

Software Engineer Intern
SRC, Inc

- Placed an open-source software-defined radio framework on company field device with minimal oversight.
- Developed proof of concept demos and helped present new capabilities to management.

07/2018 – 12/2018   WESTFORD, MA

Information & Intelligence Software Co-op
Collins Aerospace

- Developed new testing tool comparing imagery files of a standard format.
- Tool now used by many testers and greatly improves testing speed and accuracy.

Education

08/2016 – 05/2021   ROCHESTER, NY

B.S. Software Engineering - 3.69 GPA
Rochester Institute of Technology

Developed fundamental software engineering skills: algorithms, data structures, OOP and design patterns, processes and project management, version control (Git), web, UX design, and security.

Projects

08/2019 – PRESENT   RIT

Lead - Thought-Controlled Wheelchair
Neurotechnology Exploration Team (nxtr.org)

- Produced lecture series on the fundamentals of building brain-computer interfaces (BCIs).
- Leading design and development of a non-invasive BCI that will integrate with an autonomous wheelchair system.

Projects

09/2020 – PRESENT   RIT

Cloud Technical Lead - Senior Project
Sponsored by Lockheed Martin

- Developed an Industrial Internet of Things solution using cloud services from AWS, collecting data from industry-grade manufacturing machines on campus.
- Responsible for leading system design and development in an agile environment, leaning on the AWS Well-Architected pillars.
- System designed with scaling in mind: capable of supporting an effectively unlimited number of machines and users.
- **AWS Tools: Greengrass v2, Kinesis, S3, DynamoDB, Lambda, SQS, SNS, API Gateway, EC2, VPC, Neptune Graph DB, IAM, CloudFormation, CDK, Systems Manager, Amplify, Cognito**
- **Other tools: React, Typescript, Python, Git, Linux Administration, CI/CD, Trello, Networking**

01/2017 – 05/2017   RIT

Game AI
Computer Science II

- Used Dijkstra's algorithm, recursive backtracking, and other techniques in a simple graph-based game.
- Placed second in a competition with over 100 other student-made AI players.

Certifications

01/2021

AWS Certified Solutions Architect – Associate
bit.ly/avdr-aws-architect

Demonstrates experience designing available, cost-efficient, fault-tolerant, and scalable distributed systems with AWS.

Awards

04/2020

Business Model Competition - 1st Place
Simone Center at RIT

Won $4k first prize with a unique real estate investing plan developed with two other RIT students. Over 60 students were in the competition, the largest ever.