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Relevant
courses
mentioned

Action Verb +
Context + Result

CMU Tartan

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<https://github.com/CMUTartan>

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Mountain View, CA

EDUCATION

- Carnegie Mellon University Silicon Valley** Mountain View, CA
Master of Science in Software Management
Courses: Foundation of Computer System, Architecture and Programming Principles, Cloud Computing
Aug 2019 - Dec 2020
- Tongji University** Shanghai, China
Bachelor of Engineering in Software Engineering
Courses: Object-Oriented Programming, Data Structures, Algorithms, Operating Systems, Computer Network, Software Engineering
Sep 2015 - Jul 2019

SKILLS

- Programming Languages:** Java, Python, Scala, Javascript, Typescript, C, C++, Ruby, Swift
- Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB, Neo4j, HBase, Redis
- Frameworks and Tools:** Java SpringBoot, Node.js, React, Vue, Ruby on Rails, Hadoop, Spark, Git, Docker, Kubernetes, Kafka

INTERNSHIPS

- Amazon** Sunnyvale, CA
Software Development Engineer Intern
May 2020 - Aug 2020
 - Designed and implemented ETL pipelines in a Spark cluster which performed transformation and aggregation on a 3 TB raw billing dataset and processed them into DynamoDB using Scala
 - Reduced current product's API query latency by 8 times (from 25 seconds to 3 seconds) by constructing a NoSQL schema and building a new Java-based API service on AWS ECS which was suitable for serving complex billing data queries and scaling up for larger-sized upstream datasets
 - Shortened billing data lag time from 1 day to 5 seconds by building an AWS SQS message consumer which updated relating rows in NoSQL tables once billing data change according to organizational structure change using Java
- SAP** Shanghai, China
Software Development Engineer Intern
Jul 2018 - Apr 2019
 - Built 20+ SAP Jam public front-end components with high reusability and cross-browser compatibility using React
 - Implemented an efficient front-end state management method to handle real-time customer data with Redux
 - Designed microservices and implemented SAP Jam back-end features & RESTful APIs using Ruby on Rails
 - Developed and deployed an integration tool which connects GitHub and Jira by updating Jira status once pull requests were published to SAP GitHub repository using Ruby, succeeded in improving teamwork efficiency

PROJECTS

- Twitter Analytics Web Service** Mountain View, CA
Carnegie Mellon University
Mar 2020 - May 2020
 - Built high-performant and reliable (Rank 3rd place among all 40 teams during live test) web service on AWS which analyzed a large Twitter dataset stored in MySQL & HBase and served complex CRUD queries using Java
 - Designed and programmed MapReduce jobs on a 1TB raw dataset from Twitter on Hadoop clusters using Java
 - Optimized service throughput to up to 50,000 per 10 minutes by auto-scaling the web server instances using AWS load balancers, implementing database connection-pooling using HikariCP, and distributing requests to replicated AWS RDS databases
- WeCloud Chat - A Social Network Chatting Application** Mountain View, CA
Carnegie Mellon University
Feb 2020
 - Built a scalable real-time chatting web application with a loosely-coupled microservice architecture deployed on Google Cloud Platform and Azure
 - Containerized profile, chat and login services with Docker and Kubernetes, leveraged Horizontal Pod Autoscaler to scale up the services for circumstances with high volume of requests
- Research on User Profiling Based on Transfer Learning** Shanghai, China
Tongji University
Feb 2019 - Jun 2019
 - Collected 20,000 users' profiles and reviews data by a Python web-crawler from Dianping for training
 - Extracted different dimensions of language features with designed matching strategy from Dianping and Yelp user reviews using Python
 - Performed topic distribution analysis by understanding users' review texts using LDA model
 - Achieved a 70% accuracy in predicting user gender by implementing a transfer learning model based on Random Forest with a pre-trained text to vector embedding using Word2Vec model

Only need to
mention city &
state

Cities and dates
are clear
throughout
resume

Clear impact &
outcomes