Vinay Rayini

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EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

BS in Computer Science
Expected May 2018 | Austin, TX
College of Natural Sciences
Distinguished College Scholar
GPA: 3.98 / 4.0

LINKS

Personal Website:
www.vinayrayini.com
LinkedIn:
www.linkedin.com/in/vinay-rayini
Github:
www.github.com/rayiniv

COURSEWORK

Artificial Intelligence
Big Data
Modern Web Applications
Wireless Networks
Operating Systems
Computer Organization & Architecture
Data Structures
Intro. to Programming
Algorithms and Complexity
Discrete Mathematics
Probability & Statistics

ACTIVITIES

Mobile App. Development (MAD)
Association for Computing Machinery
Hackathons - HackTX

TECHNICAL SKILLS

PROGRAMMING

Proficient:
Java • Python

Competent:
C • JavaScript • AngularJS • SQL

Novice:
C++ • React • NodeJS • ExpressJS

TECHNOLOGIES

Amazon Web Services • Google Cloud Platform • Docker • Kubernetes • Hadoop MapReduce • Apache Spark • Vert.x • Flask • Spring • Dropwizard • Jenkins • TravisCI • Maven/Gradle • Jinja2 • RAML • Swagger • Apache Cassandra • PostgreSQL • SQLAlchemy

EXPERIENCE

GODADDY | Software Engineering Intern
May 2017 – August 2017 | Seattle, WA
- Worked on the Customer Insights team to develop a robust Apache Beam based pipeline for managing and drawing insights from customer data
- Helped develop an architecture for storing and modeling customer activity data over time through a large scale asynchronous Vert.x based RESTful API service
- Developed an open source RAML based REST API code generation framework complete with plug-in capabilities and multi-language support to allow development of more pragmatic RESTful API services
- Worked with a variety of technologies including Java, Vert.x, Apache Beam, Google Cloud Platform, Kubernetes, RAML, Swagger, and Apache Cassandra

EXXON MOBIL | Software Engineering Intern
May 2016 – August 2016 | Houston, TX
- Worked on the Architecture & Technology team to design/develop a dynamic SharePoint based Kanban Board web application to optimize internal work flow
- Helped with the team's transition to an Agile Methodology workflow, increased productivity, and enabled managers to more effectively plan projects
- Developed support for Agile methodology features like WIP limits, dynamic workflow mapping, work status visualization, and manager tools
- Implemented with AngularJS, HTML, CSS, and SharePoint REST API

UT AUSTIN DEPARTMENT OF COMPUTER SCIENCE | Computer Science Tutor
September 2015 – December 2015 | Austin, TX
- Taught students project design and testing fundamentals to help them build higher quality projects

PROJECTS

YOUTUBESWEG
Python web application to display insights from YouTube video data
- Utilized Flask for route handling, data processing, API calls, database management, rendering templates, etc.
- Deployed application on Google Cloud App Engine and used Google Cloud SQL for PostgreSQL database
- React based frontend complete with search, filtering, pagination, and data visualization features
- Engineered a consumer-facing RESTful API to present insights gathered from YouTube data processing

BIG DATA PROGRAMMING
Utilized Hadoop MapReduce and Spark to analyze large data sets
- Used Hadoop MapReduce and AVRO schemas to model and calculate statistics for a large set of user session data from a car dealer website
- Implemented job chaining and data joins of various data sets using MapReduce to gather insights regarding user behavior

WEB APPLICATIONS DEVELOPMENT
- Built a NodeJS and ExpressJS based Star Wars movie web application
- Built Servlet and Spring framework based web applications to capture information from social media data