Abhinav Kasamsetty

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EDUCATION

The University of Texas at Austin　　　　　　　　　　　　　　　　　Aug 2017 - May 2020

Bachelor of Science in Computer Science　　　　　　　　　　　　　　　　　　　GPA: 3.90

Concentration in Machine Learning and Artificial Intelligence, Certificate in Japanese

EXPERIENCE

Amazon　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jun 2019 - Aug 2019

Software Development Engineer Intern | Amazon Demand Side Platform　　　　　New York, NY

- Designed a scheduling system to manage the number of tests running concurrently across the team's test suites.
- Developed the system using Java and DynamoDB to handle test runs in queues based on the accessed service.
- Wrote UI integration tests for the Amazon DSP Console using Selenium in Java.

Amazon　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jun 2018 - Aug 2018

Software Development Engineer Intern | AWS Database Migration Service　　　　East Palo Alto, CA

- Created an end to end notifications system to notify customers of operational and general information, improving time it takes to make announcements to customers from days to minutes (over 57,000% faster).
- Added ability to create/update notifications using a Ruby on Rails front end and a Spring and Oracle DB back end.
- Developed an interface on the AWS DMS Console for users to read their notifications using React and Typescript.
- Gained familiarity in using various AWS services, including S3, EC2, and Lambda.

Vyadvik Inc.　　　　　　　　　　　　　　　　　　　　　　　　　　Jun 2016 - Jul 2016

Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Allen, TX

- Developed a chatbot in JavaScript for a client to show their customers their various household professional services and improve customer support.
- Used Wit.ai to train an NLP classifier for the chatbot and Twilio to deploy it.

PROJECTS

PickYourProf | Co-creator, Lead and backend developer　　　　　　　　　Oct 2017 - Present

- Cross platform web and mobile application that uses Rate My Professors and the UT Austin grade database to rank professors. Originally created at HackTX 2017 as part of a team.
- Scraped Rate My Professors, implemented the algorithm in Node.js and Dart, and wrote the backend Express server.
- **Technologies Used:** Node.js, Express, Cheerio, HTML/JS/CSS (Bootstrap), SQLite, Flutter, Dart

Jikanpy | Maintainer, Sole developer　　　　　　　　　　　　　　　　Apr 2018 - Present

- RESTful API wrapper for the Jikan API for MyAnimeList supporting both synchronous and asynchronous usage.
- Added static typing using mypy and unit tested with Pytest and VCR.py for 100% coverage utilizing Travis CI.
- **Technologies Used:** Python, Requests, AioHTTP, mypy, Pytest, VCR.py

Game of Thrones Relation Extractor | Co-creator, ML developer　　　　　　　Jan 2019

- System that extracts relationships between characters on Game of Thrones appearing in wiki pages.
- Extracted character names and relation triples with named entity recognition and OpenIE using CoreNLP.
- Handled coreferences using OpenIE and spaCy and stored relation triples in Neo4j.
- **Technologies Used:** Python, CoreNLP, OpenIE, spaCy, Neo4j, Wikia API

SKILLS

- **Proficient**: Java, Python, Node.js, JavaScript, TypeScript.
- **Intermediate**: C++, Kotlin, SQL, Dart, Flutter, Jest, Ruby on Rails, Pytest, TestNG.
- **Basic**: HTML, CSS, LaTeX, Go, React, Express, Flask, JUnit, Chai, Mocha, Spring, Guice.

AWARDS

- TAMUHack Best Airline Industry Hack - 3rd Place, Thomson Reuters Scholarship, College Scholar