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**Tejasvi (Teju) Nareddy**

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**www.tejunareddy.com**

Backend engineer with experience in Cloud Computing & Distributed Systems **www.github.com/nareddyt**

# EDUCATION

## Georgia Institute of Technology *August 2015 – May 2019*

* GPA: 4.00 / 4.00
* Pursuing a Bachelor’s in Computer Science with concentrations in Cloud Computing and Artificial Intelligence

# PROFESSIONAL EXPERIENCE

## Google Cloud Platform – Software Engineering Intern – Apigee *Summer 2018*

* Improved customer experience on our IPAAS offering by creating a framework to increase connector consistency
* Designed a new scalable, distributed service that allows customers to publish connectors on Google Cloud Platform

## Amazon Web Services – Software Developer Intern – Elastic Map Reduce *Winter & Spring 2018*

* Designed and implemented a feature that allows customers to monitor the health of applications on an EMR cluster
* Integrated my feature with industry-standard big data applications, such as Hadoop, Spark, and HBase
* Collected metrics and worked with product management to minimize compute resource utilization

## Salesforce – Backend Software Engineering Intern – Infrastructure & IoT *Summer 2016 & 2017*

* Developed a RESTful, distributed web service in Java that maintains fixed-size pools of AWS EC2 instances
* Reduced AWS virtual machine spawn times for F5 BigIP Load Balancers by ~50% (20 minutes)

## Head Teaching Assistant for CS 3600: Introduction to Artificial Intelligence *All of 2017*

* Taught students about Machine Learning, Markov Decision Processes, Probabilistic Reasoning, and Classic Search

# ACTIVITIES

## Teacher and Facilitator for Girls Who Code *June 2017 – December 2017*

* Taught middle school girls basic software engineering skills in Git, HTML, CSS, JavaScript, and Python
* Mentored a small group of students in creating their own Facebook Messenger chatbot and scratch game

## Full-Stack and Backend Developer for Bits of Good *August 2017 – Present*

* Worked in an agile team of 5 students to build a full-stack tutoring platform for a non-profit in the Atlanta area

# COMPLETED PROJECTS

## Discover Reward Notifier: Chrome Extension – JavaScript *March 2018 – Present*

* Maintaining a beginner-friendly open-source project to encourage first-time contributors to follow the PR process

## Hadoop Job Duration Prediction: Neural Net Prediction API – Python, Java, Bash *February 2018*

* Collected and processed production data about Hadoop usage to train a xgboost model and predict job times
* Demoed a realistic customer use-case by integrating our prediction endpoint into the AWS EMR CLI

## QuizLingo Voice Assistant: Google Assistant & Alexa Skill – Node.js, NoSQL *June 2017 – January 2018*

* Won the Actions on Google Developer Challenge, **officially recognized** on the [Actions on Google Website](https://developers.google.com/actions/challenge/)
* Developed a voice assistant skill that quizzes English speakers on vocabulary words in foreign languages
* Built a Google Dialogflow model for natural language processing and slot-filling responses to user messages

## Logo Lens – Microsoft HoloLens App – C#, Python, SQL *September 2016 – January 2017*

## Won HackMIT, demoed our application to NASDAQ’s CTO Brad Peterson, and was featured in [a news article](https://www.scs.gatech.edu/news/587332/college-computing-undergrads-demo-app-nasdaq-execs-part-hackathon-prize)

# SKILLS

## Programming

## Java EE – Cloud Services

## Node.js – Backend APIs

## Python – AI & Big Data

## Solidity – Smart Contracts

## Bash – Tooling & Scripting

## Enterprise Processes

Microservices Architecture

Serverless Architecture

Continuous Deployment

Monitoring & Metrics

Log Data Analysis

Containerization

## Open Source

moss.py

CircleCI

AWS CLI

GIT MAD

Ethereum Docs

Alexa API Bridge

## Core Technologies

AWS, GCP, Azure

Docker, Kubernetes

Maven, Jenkins, Git

Hadoop, IoT Devices

Oauth2, Linux, Unix

SQL & NoSQL Databases