

# Tejasvi (Teju) Nareddy

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**Objective:** To obtain an internship for the summer of 2018

## EDUCATION

### Georgia Institute of Technology

August 2015 – December 2018

- GPA: 4.00 / 4.00
- Pursuing a Bachelor's Degree in Computer Science
- Backend Engineer with concentrations in Cloud Computing, Artificial Intelligence, and Web Security

## PROFESSIONAL EXPERIENCE

### Georgia Institute of Technology – College of Computing

January 2016 – Present

Teaching Assistant for "CS 3600: Introduction to Artificial Intelligence"

- Teach students AI topics, answer their questions online, and help with homework/projects in person
- Work with students to help them understand Neural Nets, Markov Decision Processes, Search, Planning, etc.

### Salesforce – Infrastructure – Internal Capacity Engineering

May 2016 – November 2016

Backend Software Engineering Intern

- Developed a multithreaded, RESTful 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)
- Implemented concurrent 2-way communication between the app and an AWS RDS MySQL database using JDBC
- Runs as a scalable distributed service across multiple availability zones in Salesforce's AWS cloud

## ACTIVITIES

### GT Mobile App Development

August 2015 – Present

Core Officer, Full-Stack Developer, Mentor

- Instructed a group of 7 people in backend development of the app "Bitter", which involved using Firebase
- Taught lessons on Android Studio, using API endpoints, and integrating OkHttp into an Android app
- Organized, advertised, and mentored at Georgia Tech's annual Appathon and HackGTweeny

### RoboJackets Intelligent Ground Vehicle Competition

September 2015 – October 2016

- Programmed an autonomous robot to navigate an outdoor obstacle course with Open Computer Vision in C++
- Constructed a module to detect "potholes" using image transformations, contour processing, and color filtering

## PROJECTS

### Logo Lens (<http://devpost.com/software/logo-locator>)

September 2016 – January 2017

Won HackMIT, Demoed to NASDAQ's CTO Brad Peterson

- Developed a proof-of-concept app for the Microsoft HoloLens that overlays company info next to logos
- Used Google Vision APIs to determine the company name of logo that the Microsoft HoloLens was pointed at
- Called NASDAQ's Data-On-Demand API through C# in Unity to retrieve current stock prices for the company

### Hey Teju! Facebook Messenger ChatBot

December 2016 – Present

- Working on a Facebook Messenger chatbot that acts as a personal assistant (alarms, weather, flights, etc.)
- Used node.js with express for the REST server and AWS Dynamo DB with Heroku PostgreSQL for data storage
- Integrated with API.AI for natural language processing and slot-filling responses to user messages

## SKILLS

### Languages

(Mostly Backend)

Skilled: Java, Node.js

Proficient: Python, C#,  
C++, C, various assembly  
languages

### Services

Amazon Web Services,  
Salesforce Heroku,  
Google Firebase,  
General Web API  
Endpoints

### Tools

Unix Terminal, Linux,  
Git, Gradle, Maven,  
Jenkins, Splunk,  
JetBrains IDEs, Visual  
Studio, Unity

### Environments

Cloud Computing,  
Distributed Systems,  
Cloud Security,  
Artificial Intelligence,  
Agile Development