# Tejasvi (Teju) Nareddy

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## EDUCATION

**Georgia Institute of Technology**                                                                *August 2015 – May 2019*
- GPA: 4.00 / 4.00
- Pursuing a Bachelor's Degree in Computer Science
- <u>Backend Engineer</u> with concentrations in Cloud Computing, Artificial Intelligence, and Software Design

## PROFESSIONAL EXPERIENCE

**Head Teaching Assistant for CS 3600: Introduction to Artificial Intelligence**       *January 2017 – Present*
- Teach students about Machine Learning, Markov Decision Processes, Probabilistic Reasoning, and Classic Search
- Empower other TAs by coordinating tasks and ensuring transparent communication with the professor
- Create new projects, hold office hours, run review sessions, and ensure students are provided the tools to succeed

**Backend Software Engineering Intern – Salesforce – Internet of Things**       *May 2017 – August 2017*
- Designed and implemented a scalable, distributed self-serve product that generates HTTP load for benchmarking
- Enabled engineers to setup latency and performance tests in $1/10^{th}$ of the time it would have taken previously

**Backend Software Engineering Intern – Salesforce – Infrastructure**       *May 2016 – November 2016*
- 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)

## ACTIVITIES

**Teacher and Facilitator for Girls Who Code**                                                *June 2017 – Present*
- Teach middle school girls basic software engineering skills in Git, HTML, CSS, JavaScript, and Python
- Mentor a small group of students in creating their own Facebook Messenger chatbot

**Full-Stack and Backend Developer for Bits of Good**                                  *August 2017 – Present*
- Work in an agile team of 5 students to build a tutoring platform from scratch for a non-profit in the Atlanta area
- Learning software design methodology and full-stack development using Mongo DB, Express, Node.js, and React
- Hoping to deploy the website to underprivileged students in the Atlanta area by the end of the semester

## COMPLETED PROJECTS

**Logo Lens – C#, Python, SQL**                                                           *September 2016 – January 2017*
*Won HackMIT, <u>Demoed to NASDAQ's CTO Brad Peterson</u>*
- Created a proof-of-concept app for the Microsoft HoloLens that overlays company info next to logos
- Used image manipulation and Google Vision APIs to determine a company name from logos in the real-world

**QuizLingo Voice Assistant: Google Assistant & Alexa – Node.js, SQL**       *June 2017 – August 2017*
- Developed a voice assistant skill that quizzes English speakers on vocabulary words in foreign languages
- Used Node.js with express for the REST server and AWS Dynamo DB with Heroku PostgreSQL for data storage
- Built an API.AI model for natural language processing and slot-filling responses to user messages

## SKILLS

| Programming | Web Services | Enterprise Tech | Areas of Focus |
| --- | --- | --- | --- |
| *Skilled:* Backend, Java, Node.js, Python | Amazon Web Services, Google Cloud Platform, | Version Control Systems, Monitoring + Metrics, | Artificial Intelligence, Machine Learning, |
| *Proficient*: Web Dev, JavaScript | Salesforce Products, Microsoft Azure, | Job Schedulers, Log Analytics, | Distributed Systems, Agile Development |
| *Familiar:* Front End, C, Assembly | General Web API Endpoints | Mock Testing, Databases | Web Development, Web Security |