Neel Raja

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Education

Georgia Institute of Technology   2019–2022
B.S. in Computer Science, GPA: 4.0
Concentrations: Intelligence & Information Internetworks
Relevant Coursework: Data Structures and Algorithms, Objects and Design, Intro to OOP, Linear Algebra
Organizations/Involvements: Grand Challenges, Robojackets, Hack-A-Thing, Executive Round Table

Nvidia Deep Learning Institute   2018–Present
Coursework: Fundamentals of Deep Learning for Computer Vision

Skills

Languages	Java, JavaScript, Golang, Python, HTML/CSS, SQL, Arduino C, Node.js
Libraries	React.js, Firebase, Flask, JavaFX, Volley
Tools	Git, Linux, Bash, Windows, PostgreSQL, Vim

Professional Experience

Pensando Systems   Summer, 2019
Software Engineering Intern
Interned at a stealth startup company developing intelligent networking devices for enterprise grade customers
- Worked as part of internal DevOps team
- Led project to automatically analyze test logs created by CI (continuous integration) system
- Fixed bugs and implemented feature requests for CI platform's internal website

Stanford University   Summer, 2018
Intern
- Independently developed prototype medical device for use in developing countries to help newborns in respiratory distress
- Had the technical responsibility to develop both the medical device and accompanying Android app

Projects

Beanstalk
Developed Android app that automatically controls your speaker volume based on ambient noise in the room
- Built background service that queries Bose speaker and native Android microphone APIs
- Utilized multithreading paradigm to ensure smooth frontend performance
- Created modern, minimalist UI that provides intuitive user experience

CollegeStart
Grand Challenges project that aims to make the college application process more equitable using technology
- Conducted market/customer research and interviews with the principal and students of a local high school
- Architected design of our final web app and decided on technology stack to be used
- Led and coordinated full stack product development and set up version control processes

Space Trader (Class Project)
- Developed complex strategy game as part of a team using agile development methodologies
- Designed overall application architecture and implemented dynamic UI using the MVC design pattern

Leadership

Bord Payment Systems, LLC   2018–Present
Founder/CTO
Founded a startup company to develop a payment platform that makes it easy for friends to share expenses
- Completed beta app and backend server
- Developed business plan and investor pitch
- Filed a design patent application
- Hired intern team

Everbots Robotics Classes   2018–2019
Founder
Founded an organization, partnered with San Jose Public Library, to teach robotics in underserved neighborhoods
- Trained high school student instructors
- Designed hands-on robotics projects