

Arvind Ramaswami

10570 Victory Gate Drive Johns Creek, GA 30022 | 404-458-1072 | saramaswami@gmail.com
LinkedIn: <http://linkedin.com/in/arvind-ramaswami> GitHub: <https://github.com/arvindr9>

Summary

I am looking for a summer internship in data science or software engineering. Currently, I am an undergraduate at Georgia Tech, interested in web development, algorithms, and machine learning.

Skills

Web/mobile technologies: HTML5, CSS3, JS, Node, React, Angular, MongoDB, Ionic

Deep Learning technologies: Tensorflow, Azure ML Studio, Numpy (experience building standard and convolutional neural networks from scratch using numpy)

Programming languages: Java (proficient), Javascript (proficient), Python (proficient), C++(proficient), MATLAB (familiar)

Courses taken: Machine Learning (Coursera), Deep Learning Specialization (Coursera, currently enrolled in the 4th course in Convolutional Neural Networks out of 5 total courses), OOP

Other CS skills: Competitive programming in C++ (Member of the GT Programming Team)

Experience

Microsoft Student Partner (MSP) – Microsoft

Sept 2017 – Present

Works as a technical evangelist at Georgia Tech. Attends training sessions by Microsoft and hosts workshops using Azure and tools like LUIS (Language Understanding Intelligent Service) and ML Studio every month.

Project Lead – Data Science at GT

October 2017 – Present

Leading a team in the Kaggle project *WDSM - KKBox Churn Prediction Challenge* to forecast whether a user of the music streaming service KKBox will churn (stop their subscription) within 30 days.

Full Stack Web Developer – GT Bits of Good

Sept 2017 – Present

Using Wordpress to redesign the website for the nonprofit World Water Relief. Additionally working on projects using MERN Stack Web Development.

Assistant Java Coach - Yes-M Systems

Jun 2016 - Aug 2016

Helped introduced students to Java and OO programming, which included variables, methods and classes.

Projects

ConvNet in Numpy

Nov 2017 - Present

Creating a convolutional neural network to train a digit recognizer based on the MNIST dataset.

<https://github.com/arvindr9/mnist-convnet>

Home Depot Deep Learning Challenge

Nov 2017

Created a ConvNet using Tensorflow. <https://github.com/arvindr9/Home-Depot-Challenge>

WeLocate

October 2017

Built a website that allows users to choose a location on a map to find where to open their business based on a dataset of existing buildings from Yelp's API and results from Amazon's AWS Machine Learning. Used Node.js for the backend and for calling the Python scripts to obtain and train the datasets. Received awards for the Most Disruptive Hack and the Best Financial Hack. <https://devpost.com/software/welocate-7mjhra>

FiscAlert

October 2017

Created a program at the hackathon HackGT that predicted credit card fraud based on features like time, distance and cost of transactions using anomaly detection with Java. Piped the output of the Java program from a text file through python http.server to a webpage. <https://devpost.com/software/fiscalert>

Outplayed Apps

Dec 2016 – Jun 2017

Helped create an application that to prepare students for the National Science Bowl competition using the Ionic framework. <https://outplayedapps.com>

Education

Georgia Tech (2017 – present): Undergraduate Computer Science major.

Other Skills/Interests

Mathematics: Represented Georgia ARML in 2015 and 2017. Experienced in combinatorics and number theory. Developed problem solving skills from math contests. Will take the Putnam Exam in December 2017.
