Arvind Ramaswami

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HackerRank: https://www.hackerrank.com/arvind_r   Website: https://arvindr9.github.io/

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Summary

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

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Education

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

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Skills

Web technologies: HTML5, CSS3, JS, Node, Express, React
Machine Learning technologies: Tensorflow, Keras, Azure ML Studio, Numpy
Programming languages: Java, Python, C++, Javascript, MATLAB
Courses taken: Coursera: Machine Learning, Deep Learning Specialization. Georgia Tech:
Fall 2017: OOP, Spring 2018: Data Struct and Alg, Data Input and Manip, Algorithms Honors
Other CS skills: Member of the GT Programming Team (Competitive programming in C++)

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Experience

Machine Learning Researcher − Interactive Optimization and Learning (IOL) Lab   Jan 2018 − Present
Working with graduate students, phD students and Georgia Tech Professor Sebastian Pokutta on real-world Machine Learning projects. Currently focusing on Adversarial Learning.

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   Oct 2017 − Dec 2017
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.
https://github.com/arvindr9/kkbox-churn-prediction

Full Stack Web Developer − GT Bits of Good   Sept 2017 − Dec 2017
Used Wordpress to redesign the website for the nonprofit World Water Relief. Additionally worked on mini-projects using MERN Stack Web Development (MongoDB, Express, React, Node).

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Projects

Visual Question Answering (VQA) Mobile App   Jan 2018 - Present
Currently using Tensorflow to implement an algorithm to allow a program to process a question about an image and return an answer. This project is done with a team in GT Agency (the AI club).

Home Depot Deep Learning Challenge   Nov 2017
Created a ConvNet using Tensorflow to classify images of shopping products.
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

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Other Skills/Interests

Mathematics: Represented Georgia ARML in 2015 and 2017. Experienced in combinatorics and number theory. Developed problem solving skills from math contests. Took the Putnam Exam in December 2017.
Violin: Member of the Atlanta Symphony Youth Orchestra (Fall 2016- Spring 17), Georgia All-State Orchestra (2015, 16, 17), Georgia Tech Symphony Orchestra (Fall 2017 - Present)

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