

Manoj Kandiakounder

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US Citizen

GEORGIA INSTITUTE OF TECHNOLOGY

Pursuing B.S. in Computer Science
Graduation Date: May 2019

GPA: 3.8 (Dean's List, All Semesters)
Concentrations

- Information Internetworks
- Artificial Intelligence

Minor:

- Entrepreneurship

Georgia Tech Barcelona
Study Abroad Summer 2016

Programming

Python, Java, C#, C
SQL, MongoDB, LaTeX
JavaScript, HTML, CSS

Coursework

Data Structures and Algorithms
Databases
Intro to Artificial Intelligence
Computer Org & Programming
Objects and Design (Android)
Systems and Networks
Linear Algebra
Discrete Mathematics
Probability/Statistics
Applied Combinatorics

Languages

English – fluent
Tamil – fluent
Latin – limited conversational
Spanish – basic

Organizations

Alpha Kappa Psi
GT Relay For Life
WebDev Club

Awards

2016 AKPsi Case Competition
Winner
NJ STARS Scholar
National AP Scholar
Karate Sparring Tournament
Champion and Black Belt

Hobbies

Data Analytics, Piano, Football,
Number Crunching, Skiing
Charity 5Ks, Making Things Work

Work Experience

ANNALY CAPITAL MANAGEMENT, INC.

Software Engineering Intern

- Refactored the internal API for a firm-wide financial calculator using the Polypaths forecaster to allow for batch jobs on VisualCron scheduler
- Incorporated residential whole loan cashflow engine into proprietary loan management system using C# and SQL
- Increased efficiency by 94% with shift from Excel computations to C# model to quickly provide trade execution group with advanced mortgage analytics

ORANGE WORKS (THE HOME DEPOT INNOVATION CENTER)

Part-Time Software Developer – Machine Learning

- Devised an algorithm for co-occurrence grouping to initiate product bundling based on user purchase data using Python
- Collaborated with superiors on a slide deck aimed at proposing large-scale integration for machine learning to upper management

Project Experience

HUMOR GENOME PROJECT humorgenome.org

Machine Learning / Data Analytics Programmer

- Created and presented an intelligent self-learning joke recommender system based on reactions to prior jokes using Python and MongoDB
- Collaborated with professors on research-oriented objectives to help and develop robust humor-based theories

ALPHA KAPPA PSI (Professional Business Fraternity) gtakpsi.com

- Built application using Python, HTML, CSS and JavaScript and utilized Flask and Firebase to streamline internal rush registration for 120+ rushees
- Constructed web platform that eliminates manual compilation between online surveys, spreadsheets, slide decks and statistics

GRADENOTIFY github.com/manojk/GradeNotify

- Built application using Python, MongoDB and Twilio API to automatically send text alerts for new/updated grades and store grades/shortcuts
- Leveraged webscraping and regex to navigate to course gradebooks, and set theory to increase access efficiency by 86%

HACKGT 2016 github.com/MLord8/tv-chat

- Built web application using HTML, CSS and JavaScript and utilized Microsoft Cognitive Services and SendBird APIs for hackathon
- Constructed a live TV show-based chat rooms platform for similar viewers for 80+ shows with accompanying time-based sentiment graphs

Community Service

RELAY FOR LIFE OF GEORGIA TECH tinyurl.com/gtrelayreg

- Raised over \$40000 through organizing and participating in events in preparation for the annual Relay For Life event
- Reached out to 100+ local businesses in the Greater Atlanta area for sponsorship and philanthropy opportunities

New York, NY

Jun 2017 – Aug 2017

Atlanta, GA

Feb 2017 – Present

Atlanta, GA

Sep 2016 – Present