

Sahit Kavukuntla

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Computer Science student well versed in Java and Python seeking summer internship in software engineering or data science to strengthen technical skills and learn to work in a team in a professional context.

EDUCATION

Georgia Institute of Technology, Atlanta, GA Aug 2020-Expected Apr 2023

Dean's List Recipient; Honors Program

GPA: 3.8/4.0

B.S. in Computer Science; Concentrations: Intelligence, Theory, Systems & Architecture

Relevant Coursework: Computer Organization and Programming, Data Structures and Algorithms, Discrete Mathematics, Object Oriented Programming, Statistics & its Applications, Linear Algebra, Multivariable Calculus

Archbishop Mitty High School, San Jose, CA Aug 2016-May 2020

GPA: 3.9/4.0; ACT: 35

Relevant Coursework: AP Calculus AB, AP Calculus BC, AP Physics C: Mechanics, AP Physics C: Electricity & Magnetism, AP Computer Science A, Differential Equations

Carnegie Mellon University, Pittsburgh, PA Jul 2019-Aug 2019

AP/EA Program

Relevant Coursework: Principles of Computing, Introduction to Electrical and Computer Engineering

PROJECTS

Variable Factors and the Epidemiology of COVID-19 Feb-May 2020

Differential SIR Model

- Modeled spread of COVID-19 using sustainable-infected-recovered population differential equations in MATLAB based on spread data from South Korea
- Studied effects of seasonal transmissions, vaccines, and social distancing/masks

Predicting the Result of the Last Game of the NBA Finals Oct-Dec 2019

Markov Stochastic Chain Analysis

- Used results of 30 years of NBA finals to theorize which team would win the next year's championship; accurately benchmarked and predicted 2019 NBA Championship winner
- Adapted to fit most sports based on previous data, adjusted for limited sample sizes when necessary

ACTIVITIES

FRC Robotics, Archbishop Mitty High School Sep 2016-May 2020

Subsystems Lead, Strategy Lead

- Subsystems Lead: taught 14 new members the basics of mechanical systems, led design and fabrication of cargo manipulation subsystem on 2019 robot
- Strategy Lead: analyzed and wrote game strategy for 2018 season, communicated with other teams, and managed team research on 60 other teams to create in-match strategy
- Wrote computer vision tracking software to automate positioning and shooting mechanisms

Tech Team, Archbishop Mitty High School Jan 2017-May 2020

Lead Tech

- Managed support requests and maintenance for 1900 student/teacher iPads, 200 faculty/staff MacBooks, and 100 classroom Apple TVs
- Trained team of 20 students in device care, diagnosis & resolution procedures, and customer interaction
- Supervised audio and video interfaces for 11 school events per year, each with 50-500 attendees
- Apple Certified iOS Technician (2019) and Apple Certified Macintosh Technician (2019)

SKILLS

- Programming Languages: //Java, Python, Swift, MATLAB, Git, SQL
- Web/Design: Microsoft Office Suite, Adobe Suite, UI Design (JavaFX, Tkinter)
- Operating Systems: OSX, iOS, Windows, Linux (Ubuntu, RedHat), Docker Container
- Fluent in English, Telugu, Spanish