

Kira Pancha

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Education

Georgia Institute of Technology

Atlanta, GA

B.S. IN COMPUTER SCIENCE, CONCENTRATION IN ARTIFICIAL INTELLIGENCE AND THEORY

Aug. 2018 - May 2022 (projected)

- **GPA:** 4.0/4.0
- **Honors:** Faculty Honors List, Eta Kappa Nu Honor Society
- **Leadership:** Eta Kappa Nu Publicity Chair, Grand Challenges Ambassador
- **CS Courses:** Machine Learning, Computer Vision, Computer Organization & Programming, Data Structures, Algorithms, UI Design, Intro to AI, Objects & Design, Discrete Math, Object-Oriented Programming
- **Math Courses:** Combinatorics, Linear Algebra, Statistics & Applications, Multivariable Calculus

Experience

Google

New York, NY

STUDENT TRAINING IN ENGINEERING PROGRAM INTERN

May 2020 - Aug 2020

- Upcoming internship on Google Maps team

Coskun Laboratory

Atlanta, GA

LAB MANAGEMENT PLATFORM SWE

Mar 2020 - present

- Designing and implementing platform for lab researchers to access and update lab inventories and schedules
- Using Django REST Framework to make requests to Google Calendar API to update lab members' calendars
- Diagramming in UML, coding in Python and JavaScript, using SQL for database

StreamSets

San Francisco, CA

SOFTWARE ENGINEERING INTERN

May 2019 - Aug 2019

- Integrated Spark MLlib into StreamSets' processors to train models for linear regression, logistic regression, and K-means clustering
- Created demo using the processors to train model and predict house prices using datasets from Kaggle
- Published blog post detailing function of processors and their use in the demo

Georgia Tech School of Physics

Atlanta, GA

PHYSICS I TEACHING ASSISTANT

Jan 2019 - May 2019

- Organized and ran weekly 3-hour labs, provided instructions and assistance to students
- Graded quizzes and held review sessions after quizzes and before exams
- Received 4.7/5.0 average rating from students on overall effectiveness as TA

TECHNOLOGIES

Proficient

Java, Python, Shell Commands, Github

Basic Experience

C, JavaScript, PySpark, Django, Express, Docker, Kafka

PROJECTS

BUDGETING ANDROID APP

capital-won

- Filtered and sorted user transaction data from API, implemented algorithm to calculate budget for user based on past spending trends, graphically represented trends
- Developed mobile app in Android Visual Studio Editor with Java and XML
- Built with small group during hackathon at Capital One Software Engineering Summit

JEOPARDY WEB APP

jeopardy-question-search

- Built application using Express with NodeJS to allow user to search for and filter through Jeopardy questions
- Searched for questions using calls to jService.io API and deployed app on Heroku

CLICKSTREAM DATA ANALYSIS

e-commerce-site

- Enhanced code for NodeJS e-commerce site to automatically send Kafka messages tracking Clickstream data (i.e. items viewed, added to cart, and purchased) in real time
- Aggregated data and used it to predict customer actions with TransmogrifAI and PennAI

AFFILIATIONS

ATL Satrangi dance team Alternative Service Breaks Special Olympics coach GT Grand Challenges Alpha Chi Omega