

AAYUSH KUMAR

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San Jose, CA - U.S. Citizen

EDUCATION



GEORGIA INSTITUTE OF TECHNOLOGY
B.S. in Computer Science: Intelligence & HCI Threads - 3.83 GPA
ATLANTA, GA • GRADUATING DECEMBER 2018

EXPERIENCE



YAHOO: TRIPOD PROJECT
Tripod Engineering Intern
SAN FRANCISCO, CA • MAY 2017 - PRESENT

Yahoo's platform for commoditized photo & video storage, serving, enrichment, aggregation, & search

- Improved image search parsing accuracy by broadening search metrics & analyzing weaknesses in query processing algorithm
- Built Tripod Image Viewer UI in React.js to help visualize EXIF-metadata/geodata & reusable React component internal library



ARON DEVELOPERS
Full Stack Rails Developer Intern
LOS ALTOS, CA • MAY 2016 - AUGUST 2016

Real estate developer which focuses on building smart, luxury homes in San Francisco Bay Area

- Built a realtime Ruby on Rails data visualization of net interest on mortgages taken for all unsold properties/ construction sites.
- Designed and Implemented SQL tables for Loans database



COURSEWORK
College of Computing Student
ATLANTA, GA • AUGUST 2015 - PRESENT

- Knowledge-Based AI - CS4635
- Computer Vision - CS4641
- Intro to AI - CS3600
- Robotics & Perception - CS3630
- User Interface Design - CS3750
- Algorithm Design/Analysis - CS3510



SMART CITY INFRASTRUCTURE
Image Processing Team Developer
ATLANTA, GA • AUGUST 2017 - PRESENT

Working under Dr. James Tsai, Dr. Tony Yezzi to develop smart city infrastructure health condition monitoring, detection and diagnosis with the use of emerging technologies

- Developing vehicle detection, categorization, and tracking system to gather data about traffic flow and behavior patterns using static and dashboard footage



PROJECT RESURGENS
AHNA AI/IOT Developer
ATLANTA, GA • MAY 2016 - AUGUST 2017

Georgia Tech's Smart Solar Home & Internet of Things project emphasizing self-sustenance/net zero energy/carbon footprint

- Training a classification model of electricity consumption using outlet reading data to optimize energy consumption
- Building cross-platform React Native App that helps users track electricity & water savings/consumption over time



ITRANS
Android Developer
ATLANTA, GA • JANUARY 2016 - MAY 2016

Faculty research on optimizing campus transportation systems & developing a forecasting, computation, & communication system to improve bus circulation

- Implemented automated announcements of bus stops with realtime broadcasts of route changes, upcoming cancellations & weather forecasts with Android TextToSpeech engine

SKILLS

LANGUAGES

- Java
- Python
- JavaScript
- Matlab
- HTML/SASS/CSS
- Ruby on Rails

LIBRARIES

- SKLearn
- OpenCV
- React/Redux
- ImmutableJS
- LeafletJS
- Android SDK

DEV TOOLS

- Jira
- Designs & Mockups (Sketch)
- Splunk
- Git/GitHub Workflow
- Linux/RHL (SSH)
- Enterprise Slack/Hipchat

INTERESTS

ACTIVITIES

- GT Qurbani - All-Male Nationally Competitive Collegiate Bollywood Fusion Dance Team
- Tennis - Competed in the USTA Men's Singles Circuit
- Recreational - Collegiate Intramural Ultimate Frisbee, Hiking, Rock Climbing, Camping
- Musician - Played Piano for 8 Years & Recorded Covers

AWARDS

- Faculty Honors 2015, 2016 - 4.0 GPA in most recent semester
- Dean's List - GPA avg of 3.0 or higher
- 2nd - Cal Berkeley National Speech Invitational (117 competitors)
- 1st - University of Pacific Jon Schamber Speech Invitational



Made with React