Anurag Baddam

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY
BS in Electrical Engineering and Computer Science (EECS)
Graduating May 2018 | Berkeley, CA
CS GPA: 3.66

C. LEON KING HIGH SCHOOL
International Baccalaureate, Advanced Placement
Graduated May 2014 | Tampa, FL
GPA: 3.96

LINKS

github.com/arb625
linkedin.com/in/anuragbaddam

COURSEWORK

Database Systems (CS186)
Machine Learning (CS189)
Artificial Intelligence (CS188)
Algorithms (CS170)
Computer Security (CS161)
Data Structures (CS61B)
Computer Architecture (CS61C)
Discrete Mathematics (CS70)
Probability (Stat 134)
Linear Algebra (Math 54)

SKILLS

Python • Java • C • Tensorflow • Apache Spark • React • Node.js • Express.js • SQL • UNIX • Git • LaTeX

INTERESTS

Software Development • Data Science • Machine Learning • Product Management • Entrepreneurship

EXPERIENCE

NOKIA HERE | Software Engineering Intern
Capture Systems Team
May 2016 - August 2016 | Berkeley, CA

- Developed data capture and rendering products using primarily React, Node, Flask, and Redis leading to better decisions regarding future data collection
- Helped manage the APIs that facilitated access to real-time road network data leading to increased efficiency for 1000s of employees involved in the Highly Autonomous Driving effort

Technical Customer Support (TCS) Team
June 2015 - August 2015 | Berkeley, CA

- Resolved customer issues regarding Here's Javascript, Android, and REST APIs
- Introduced over 20 potential organizations to the capabilities of the Here APIs leading to numerous new customers
- Developed an internal web tool that organized customer tickets by category that was used by employees in various worldwide branches of the TCS team

UC BERKELEY- CS 186 (DATABASES) | Undergraduate Student Instructor
August 2016 - Present | Berkeley, CA

- Lead and teach over 60 students in weekly discussion sections and office hours
- Wrote a Java course project, motivated by a desire to make the course more systems-oriented, in which students are to build a database implementing a functional version of SQL, query optimization, and concurrency control
- Helped develop and teach other course material such as discussion worksheets and homework that over 500 students study weekly with topics including out-of-core algorithms, distributed databases, and big data

PROJECTS

CLUSTERING IN PRESIDENTIAL CAMPAIGN FINANCES | CS186 Project
April 2016

- Implemented the K-means clustering machine learning algorithm with PySpark and Spark SQL
- Processed and analyzed a large dataset of political campaign information from the Federal Election Commission to find any major geographic clusters from where the candidates were getting finances

TOURIST PROBLEM | Personal Project
Summer 2016 - Present

- Developing a web application that lets you choose what places/events you want to visit in a new city and then optimizes the order you should visit them
- Uses a variant I designed of the Traveling Salesman Problem dynamic programming algorithm with costs based on geospatial distance
- Uses the Google Maps and Eventbrite APIs
- Stack includes React, Node, Express, MongoDB

ON CAMPUS

2016	Institute of Electrical and Electronics Engineers	Industry Relations Officer
2016	Code India	Founding Member
2015	CS61A and CS61B Academic Intern	