Anurag Baddam

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY
BS in Electrical Engineering and Computer Science (EECS)
Minor in Statistics

Graduating May 2018 | Berkeley, CA
CS GPA: 3.67

C. LEON KING HIGH SCHOOL
International Baccalaureate

Graduated May 2014 | Tampa, FL
GPA: 3.96

LINKS

github.com/arb625
linkedin.com/in/anuragbaddam
https://arb625.github.io/

COURSEWORK

Database Systems (CS186)
Machine Learning (CS189)
Artificial Intelligence (CS188)
Algorithms (CS170)
Computer Security (CS161)
Operating Systems (CS162)
Data Structures (CS61B)
Computer Architecture (CS61C)
Linear Algebra (Math 54)
Discrete Mathematics (CS70)
Probability (Stat 134)
Stochastic Processes (Stat 150)

SKILLS

PROGRAMMING
Python • Java • C • SQL • R • UNIX • LaTeX

TECHNOLOGIES
Apache Spark • scikit-learn • Tensorflow • Keras • PyCrypto • React • Node.js • Express.js • Bash • Git

ON CAMPUS

Institute of Electrical and Electronics Engineers (Industry Relations Officer) • Code India (Founding Member) • South Indian Society (Finance Director)

INTERESTS

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

EXPERIENCE

SALESFORCE | Software Engineering Intern
Product Defense and DDOS Teams
May 2017 - August 2017 | San Francisco, CA

- Added referrer validation and secret token protections against CSRF attacks
- Added cross-origin referrer URL restrictions on all Salesforce domains
- Added firewall rules checking for repeated IP addresses or high CPU usage that increased the average traffic required for a DDOS attack by over 10%

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

- Developed a data capture and rendering product using primarily React, Node, and Redis, leading to more-informed 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 customers to the capabilities of the Here APIs
- 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
- Helped write a Java course project (including supporting infrastructure, e.g., the autograder) 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

QUORA QUESTION PAIRS CLASSIFIER | Personal Project
Summer 2017

- Developed a classifier that takes in two questions and determines if they are duplicates i.e. if they have the same intent
- Uses a deep neural network model trained on a dataset of labeled Quora question pairs
- Achieved a test accuracy of over 75%
- Stack includes Scikit-learn, Tensorflow, and Keras

CLUSTERING IN PRESIDENTIAL CAMPAIGN FINANCES | CS186 Project
April 2016

- Implemented the K-means clustering 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