

Anurag Baddam

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

BS IN ELECTRICAL ENGINEERING AND
COMPUTER SCIENCE (EECS)
MINOR IN STATISTICS

Graduated May 2018 | Berkeley, CA
CS GPA: 3.60

C. LEON KING HIGH SCHOOL INTERNATIONAL BACCALAUREATE

Graduated May 2014 | Tampa, FL
GPA: 3.96

LINKS

github.com/arb625
[linkedin.com/in/anuragbaddam](https://www.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)
Probability (Stat 134)
Stochastic Processes (Stat 150)
Linear Modeling (Stat 151A)
Time Series (Stat 153)

SKILLS

PROGRAMMING

Python • Java • C • SQL • R •
AMPL • 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 ENGINEER

SECURE BY DEFAULT TEAM

July 2018 - Present | San Francisco, CA

- Worked on a Java Agent that identifies potential XSS vulnerabilities in Salesforce core application code, leading to 5% more reported XSS bugs
- Resolved a Denial-of-Service bug that exploited large numeric input in the application UI, cutting the latency for large input by a factor of 20

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 Autonomous Driving employees

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

UC BERKELEY- CS 186 (DATABASES) | HEAD UNDERGRADUATE STUDENT INSTRUCTOR

August 2016 - May 2018 | Berkeley, CA

- Managed a team of 10 TAs to run course logistics efficiently
- Led and taught 60 students in weekly discussion sections and office hours
- Helped write a Java project in which students built a database implementing a functional version of SQL, query optimization, and concurrency control
- Helped develop worksheets and homework, that over 500 students studied weekly, with topics including out-of-core algorithms and distributed databases

PROJECTS

QUORA QUESTION PAIRS CLASSIFIER | PERSONAL PROJECT

Summer 2017

- Developed a classifier that determines if two questions are duplicates
- Uses a deep neural network model trained on labeled Quora question pairs
- Achieved a test accuracy of over 75%
- Stack includes Scikit-learn, Tensorflow, and Keras

CLUSTERING IN CAMPAIGN FINANCES | CS186 PROJECT

April 2016

- Implemented the K-means clustering algorithm with PySpark and Spark SQL
- Processed and analyzed a large dataset of campaign information from the F.E.C to find geographic clusters of contributions in the 2016 presidential election