JAD SHAHEEN

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EDUCATION

University of California, Berkeley **Berkeley, CA**

B.A. Computer Science, May 2019

Coursework

- Efficient Algorithms and Intractable Problems | Introduction to Artificial Intelligence | Operating Systems | Internet Architecture | Discrete Mathematics | Data Structures | Linear Algebra

SKILLS

- **Programming Languages:** *Python, Java, Javascript, SQL, HTML*
- **Technologies:** *Flask, AWS, Git, Jupyter, Pandas, Spring, Splunk*
- **Misc:** *Jira/Confluence, Jenkins, Arabic*

EXPERIENCE

YELP **San Francisco, CA**

Software Engineer, Ad Delivery *August 2019 – Present*

- Built new experimentation package enabling custom test group regions; revenue add 100k/quarter
- Redesigned ad delivery API to support dynamic page construction
- Built streamlined architecture for introducing specialized product ad load experiences
- Work with product and data science to determine new ad formats and placements
- Work with ML teams to maximize click through rates and engagement
- Mentored 3 new hires and support younger teammates development
- Work in SOA to build efficient services that optimize individual components of the ad delivery pipeline
- Own projects from conceptual design through deployment
- Participate in on call rotation

AMAZON WEB SERVICES (AWS) **Seattle, WA**

Software Development Engineer Intern *May 2018 – August 2018*

- Expanded API Access Logging Service:
    - Remodeled service to go from restricted, single-destination design to scalable, unlimited-destination service allowing seamless addition of logging destinations at any time
    - Integrated AWS Kinesis Firehose to increase log delivery throughput +250%
    - Devised augmented, efficient data structures to decrease latency 500%
- Designed API Analytics service to be built in the future using my project as a foundation

SÖORYEN TECHNOLOGIES **Fremont, CA**

Software Engineering Intern *May 2017 – August 2017*

- Created data analytics service for client
    - Built APIs to synthesize podcast user data by different statistical categories
    - Designed database queries to increase lookup and hydration efficiency
    - Implemented API to dynamically calculate user trends using timestamp and geolocation data
- Built web scraper application to populate analytics service with live data from the internet

PERSONAL PROJECTS

Cube Solver (*Python*)

- Created Rubik's Cube solving application using advanced graph search
- Designed consistent heuristics to cut down on number of moves in returned solve