

# JAD SHAHEEN

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## EDUCATION

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### University of California, Berkeley

Berkeley, CA

B.A. Computer Science, May 2019

- GPA: 3.3/4.0

#### Coursework

- Introduction to Artificial Intelligence, Efficient Algorithms and Intractable Problems, Discrete Math, Data Structures, Structure of Computer Programs, Linear Algebra, Calculus

## EXPERIENCE

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### 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 (region, age, etc.)
  - Seamlessly integrated backend service with frontend using Rest API's and Spring Framework
  - Increased data retrieval efficiency 2-fold by redefining database access queries and rebuilding data aggregation APIs
  - Implemented API to dynamically calculate user trends by extracting timestamps from various data points
  - Redesigned project structure for AWS to improve data storage and aggregation capabilities
- Trained other interns in API design and data structures / Java programming
- Built web scraper application to populate analytics service with data

### SWIMAMERICA

Petaluma, CA

Swim Instructor

May – August 2016

- Collaborated with fellow instructors to design efficient and effective stations to best teach various skills to our students
- Trained new and lower-station employees to work with older students teaching more advanced techniques

## PERSONAL PROJECTS

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#### 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

#### Ataxx (Java)

- Built board game AI using game tree searches and pruning
- 85% win rate v. human

#### Jadbot (Javascript)

- Developed Facebook Messenger Chatbot using Facebook's public API
- Capable of retrieving weather info and responding to greetings in engaging and personal ways

## SKILLS

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#### Languages

- Java
- Python
- HTML/CSS/Javascript
- SQL
- Arabic and Spanish

#### Technologies

- Spring Framework
- AWS
- Vagrant