Ari Pickar

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EDUCATION

UC BERKELEY
Bachelors in Computer Science
Class of 2019 | Berkeley, CA

LINKS

Github://**aripickar**
LinkedIn://**ari-pickar**
Twitter://**@ari_pickar**

SKILLS

PROGRAMMING
Proficient:
Java • Python • TypeScript
Familiar:
C# • CSS\HTML • JavaScript • Ruby
LaTeX• C • Assembly • SQL • R • Scala
TECHNOLOGIES
AWS • Docker • CDK • CloudFormation
Git • Firebase • Sqlite3
IntelliJ • Sublime Text • Vim
Flask • Django • NumPy • Pandas

PROJECTS

AIRBNB RENTAL PREDICTOR
Built a model predicting the type and
purpose of AirBnB rental property based
on rental price changes. Built using Python
and R. Winner of Best Overall Data
Exploration at Berkeley Citadel Datathon.
GOTV BOT
Build a bot to message Facebook friends
using fbchat API. Used by 10+ people
during student senate campaigning to help
with GOTV. Built in Python.

COURSEWORK

• Efficient Algorithms & Intractable
Problems
• Data Structures & Algorithms
• Computer Architecture
• Data Science
• Discrete Mathematics & Probability
• Internet Architecture & Protocols
• Image Manipulation & Computational
Photography
• Computer Security
• User Interface & User Experience
Design

EXPERIENCE

AMAZON WEB SERVICES | Software Development Engineer
Sept 2019 – Present | New York City, NY
- Designed and built a PoC for an existing workload simulator, allowing customers to model the effects of potential changes to their workloads.
- Led project to design and architect service to display resource configurations available to customers as part of a new product.
- Built border service, handling authentication, proxying and metric logging for Cost Simulation Service (coming Spring 2021).
- Re-architected report assembler, preventing disks from overflowing and causing outages. Reduced outages due to disk space from 2x per quarter to 0.
- Optimized environment of ML anomaly detection algorithm to reduce cold start times from 7 minutes down to 12 seconds and improved monitoring capabilities for on-call engineer.

OPENTABLE | Software Engineering Intern
June 2018 – August 2018 | San Francisco, CA
- Implemented backend feature in C# to exclude certain parties from kitchen pacing requirements, allowing restaurants to better gauge operating capacity.
- Added wait list update queue to allow restaurants functionality to provide real time wait updates using AMQP through RabbitMQ.
- Designed and integrated a new API to allow a restaurant group to view availability for multiple restaurants at once.

GOLDEN STATE WARRIORS | Basketball Analytics Intern
January 2018 – May 2018 | Oakland, CA
- Created program to calculate stat translation between NBA, NCAA and European leagues for different player classifications.
- Designed proprietary metrics to analytically evaluate prospects for the 2018 NBA Draft. Identified projected UDFA's to target for signing.

ADIDAS | Software Engineering Intern
June 2017 – Aug 2017 | Portland, OR
- Designed and prototyped a future mobile feature, integrating miVisenze API to automatically recognize the characteristics of an uploaded image and search through the adidas catalog to present matching and complementary items.
- Built a prototype of a future feature of the adidas Confirmed app, to read NFC chips embedded in shoes and authenticate secondhand transactions.

RELEVANT ACTIVITIES

SPORTS ANALYTICS GROUP AT BERKELEY | Co-Founder/EVP
September 2016 – May 2019 | Berkeley, CA
- Founded and managed school club, leading 80+ people across business, consulting and data journalism teams.
- Personally led the establishment of consulting partnerships, including development of pitcher similarity scores (San Francisco Giants), ticket sales analysis (San Jose Earthquakes), creation of optimal play decision chart (Cal Football) and developing metrics for lineup analysis (Sacramento Kings).