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

RELEVANT ACTIVITIES

SPORTS ANALYTICS GROUP AT BERKELEY

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).

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

NOOM | Backend Engineer

Auguest 2021 – January 2023 | San Francisco, CA

- Lead cross-functional team of 5 in selection and integration of a Translation Management System, enabling growth from 1 language and 4 markets to 4 languages and 8 markets.
- Re-architected recipe import process using NLP, reducing the time to add an individual recipe 88% and enabling localized versioning, growing engagement 23%.
- Re-designed Noom coach auto-assignment algorithm, automating the coaching process for 10,000 non-english users.

AMAZON WEB SERVICES | Software Development Engineer

Sept 2019 – July 2021 | 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.