Corey Mason

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EDUCATION

University of California, Davis   *2016 – 2019 (expected)*
Bachelor of Science in Computer Science; CS GPA: 3.75   Davis, CA

EXPERIENCE

Lyft   *Summer 2019*
Software Engineer Intern, Pay Platform   San Francisco, CA
- Designed technical specification spanning multiple core services to remove a synchronous dependency, resulting in reduced cost, superior efficiency, timeout prevention, and new product development.
- Migrated and rolled out a large, critical pay service from python 2 to 3, increasing performance.
- Implemented GDPR/CCPA compliant personal data erasure and export functionality for payments.
- Automated the detection and fixing of critical pay issues, saving hours of manual work per week.

Sonos   *Summer 2018*
Software Engineer Intern, Voice Platform   Seattle, WA
- Implemented universal genre search functionality with localization and variety, resulting in hundreds of newly supported genres & music services across millions of speakers worldwide.
- Architected and built a content feedback collection website that will serve over 3500 initial users.
- Created a library to standardize & ease usage of an internal API, saving thousands of lines of code.

Horizons School of Technology   *Summer 2017*
Junior Software Engineering Instructor   San Francisco, CA
- Designed coding experience for over 120 undergraduate students by revising exercises for fullstack web technologies (Node.js, Express, MongoDB, React, Redux), mobile (React Native), and data structures.
- Refactored a tutoring Slack bot by building a modular asynchronous codebase using Promises and implementing a customized priority queue using Redis Lists.

FRC Robotics Team 3482   *2013-2016*
Software Engineer   Campbell, CA
- Developed a team website that has since served instrumental in acquiring company sponsorships.
- Recruited and taught new members of the programming team Java and version control, tripling its size.
- Programmed image recognition & autonomous control, two of the most difficult aspects of the robot.

FEATURED PROJECTS

Keap App   *2017*
- Designed platform architecture for an ebay-like classifieds app and corresponding backend server.
- Created an initial prototype in React Native with fully functional authentication and search features.

Tutoring Slack Bot   *2017*
- Implemented and optimized commands in a Slack bot to assist connecting TAs to students in real time.
- Redesigned database architecture in order to more efficiently make connections and handle data across multiple classes/sections; prevented useless repetitions of data that were becoming a problem in use.

AWARDS

First Place, Jane Street Electronic Trading Competition   *2017*
- Created a trading algorithm that outperformed 30 other teams comprised of other engineering interns.

TECHNICAL SKILLS

Languages	—	ES6 JavaScript/TypeScript, Python, Java, C++, C
Technologies	—	AWS, Airflow, Node.js, Flask, React, Redux, React Native
Databases	—	MongoDB, DynamoDB, Redis, MySQL
Testing	—	Jenkins, PyTest, Mocha, Chai, Sinon