

# Omid Rhezaii

Berkeley, CA 94720 • [omid@rhezaii.com](mailto:omid@rhezaii.com) • (858) 232-8577 • See my online portfolio: [omids.info](http://omids.info)

## SKILLS

- Spring Boot, Django, Laravel
- Java, Python, Scala, C
- Kafka, Avro, Redis
- MongoDB, SQL, Spark, Firebase
- Application Security and Tech Risk Analysis
- System Structure, Operating systems
- Scalable and Efficient algorithms
- Machine learning, AI, optimization
- CSS, Javascript, PHP, HTML
- AngularJS, D3, React.js, Vue.js
- Typing: 100 W.P.M.
- Fluent in English and Farsi

## PROFESSIONAL EXPERIENCE

**Vice President, Software Engineer**, Goldman Sachs Global Bank USA – San Francisco, CA March. 2018 – Present

- Created and Launched the Apple Card and Apple Savings products, both are large scale microservice banking API systems with 99.99% availability, strict SLA requirements, and tens of millions of users.
- Developed, launched, and maintained a similar large scale microservice system using new architecture for the GM Card
- Grew to become a subject matter expert and lead a global team of ~15 engineers
- Member of a small group of trained Tech Risk Reviewers who regularly review all code changes for security vulnerabilities
- Interviewed hundreds of candidates to help expand our San Francisco office

**Lead Software Engineer**, Akala Inc. – Berkeley CA Sept. 2015 – Jan. 2018

- Created Akala, a virtual college counselor to help middle and high school students optimally improve their college admissions applications
- Full-stack developer: primarily worked on database (PostgreSQL, MySQL), Web App (Django, Laravel, React.js)
- Managed teams of up to six software engineers, coding front end, back end, and data structure

**Paid Research Associate**, University of California, Berkeley – Silver Lab Aug. 2014 – Mar. 2018

- Proposed and developed a pipeline for three semesters (~2 years) of data collection, then developed rigorous statistical analysis and visualization of the data (see [omids.info](http://omids.info) for details)
- Designed and launched a new wiki server

**Software Engineer Intern**, Beeyond Inc. – San Francisco, CA June 2015 – Sept. 2015

- Worked on the backend infrastructure and communication between the database, server, and client.
- Rewrote the backend so it would work with multithreading
- Developed the backend matching algorithm (Python)
- Wrote full testing-suites for database security, database validity, and client communication

## EDUCATION

**University of California, Berkeley**, BA in Computer Science 2016

Awarded full ride: six scholarships covering tuition and living expenses for four years

### Special Projects

- ❖ Coded and launched a website that visualized millions of political campaign contributions from past presidential elections with D3.js using Flask and PostgreSQL to read the Federal Election Commission data
- ❖ Designed and coded a key-value storage system with server caching, concurrency, job queue, client side libraries, and all necessary networking (written in objective-C)
- ❖ Modified Apache Spark source code to implement out-of-core user-defined function result caching as well as symmetric hash join (written in Scala)

## FURTHER EXPERIENCE

**Co-director**, UC Berkeley, Cognitive Science Department, Berkeley, CA January 2013 – 2019

- Co-direct one of the most popular student run courses on campus, which teaches meditation and mindfulness
- Coordinate logistics for 5 sections and 100 students per semester

**Team Leader**, for coding and computer security competitions, San Diego, CA Dec. 2008 – June 2012

- Managed and trained a team of 10-20, and created winning strategies to place in national and regional competitions such as Mayor's Cyber Cup, Cyber Patriot, Cyber Quest, American Computer Science League, and Cyber Foundations