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EXPERIENCE

Nearside – Software Engineer · San Francisco, CA June '21 - Present

- As an early member of the team (engineer #10), shipped a lot of code, navigated all the complexity of a high-growth, early-stage startup, and helped create a hardworking, supportive culture.
- Architected and built our most popular feature (cashback rewards), built abstractions to handle debit card and ACH transactions, and helped refactor the codebase from Kotlin to TypeScript.

Facebook – Software Engineer Intern · Menlo Park, CA Sept '20 - Dec '20

- Built new developer tooling for the Messenger Infrastructure team. (React, GraphQL, PHP/Hack)
- Independently proposed and executed cross-functional effort to add chat feature to internal video calling software, impacting all 50,000 employees.
- Received a return offer with the highest intern rating.

Nearside – Kleiner Perkins Engineering Fellow · San Francisco, CA June '20 - Sept '20

- Independently built identity verification and screening service, collaborating directly with internal and external stakeholders.
- Led re-architecture of the internal automation pipeline to support new business requirements.
- Wrote 20,000+ lines of code and reviewed 30+ PRs. (Kotlin, PostgreSQL)

Walmart Labs – Software Engineer Intern · Sunnyvale, CA June – Sept '19

Data Engineering: Java

- Built Kafka data pipeline to persist 10 million rows daily, improving API usage analytics.
- Parallelized pipeline for 6x efficiency improvement.
- Built reusable Java library to query Apache Solr using combinations of facets.

Marketplace Applications: JavaScript

- Led engineering of mobile app amongst 4 engineers using React Native, Redux and Rxjs.
- Built JavaScript modules for authentication flow, push notifications, and local device caching.
- Conducted 20+ code reviews and led weekly demos to senior management.

ISO Athletic – Co-Founder & Software Engineer · Chicago, IL April '18 – June '19

- Co-founded startup to provide basketball teams with analytics, used by 8 NCAA D1 clients.
- Designed UI/UX and built front-end for web app using Figma and VueJS. bit.ly/iso-ath

EDUCATION

Northwestern University – BA / MS in Computer Science (3.92 / 4.0) Sept '16 – March '21

- **Coursework:** Algorithms, Scalable Architectures, HCI Research, AI, ML, Statistical Language Modeling, Databases, Systems Programming in Rust, Compiler Analysis, Networking
- **Leadership:** Teaching Assistant for 3 Computer Science courses, International Peer Advisor

PROJECTS

IDEO Fellowship – Strategy work with design firm IDEO to support local businesses during COVID

Deque – Lock-free, parallelized deque in Rust faster than std lib on 64 threads. bit.ly/lockdeg

LLVM Transformations – C++ compiler pass. Placed 3rd in class competition of 20 teams. bit.ly/trnfm

MedPay – NLP project to transform human language into healthcare codes bit.ly/nlp-med

SKILLS

Languages: TypeScript, Kotlin, Java, SQL, Python, Rust, CSS. **Back-end:** Node, PostgreSQL, GraphQL, MongoDB, Apache Kafka, Spring Boot, Apache Solr. **Front-end:** React, React Native, Relay, Redux, RxJS.