

# QI XI

(Pronounced: CHEE SEE)

New York, NY | me@imxiqu.com | (212) 377-7494 | imxiqu.com | github.com/xiqi | linkedin.com/in/qixi1994

## SUMMARY

---

- Backend engineer delivering distributed systems and optimizations in production at multi-million-user scale.
- Founder and full-stack engineer building products from 0→1.
- 8+ years of software engineering experience with cross-disciplinary collaboration and end-to-end ownership.

## WORK EXPERIENCE

---

### Independent Projects

New York, NY & Beijing, China

*Software Engineer*

September 2024 – Present

- Built and shipped a real-time interaction system for live film screenings using a decentralized architecture.
- Created game-like audience interaction at scale; achieved sub-200ms p95 latency with high reliability.
- Led a 131-person cast and crew across the full film production lifecycle.
- Wrote, directed, and produced *NEON ZOO*, a thriller film (<https://xiqi.film>).

### Instacart

New York, NY

*Software Engineer*

August 2021 – March 2024

- Owned and scaled backend services in the Fulfillment org powering the Shopper app at multi-million-user scale.
- Designed and shipped shopping-list optimizations to reduce picking time in high-SKU environments (20K+ SKUs). Improved picking efficiency by 5-10% across millions of orders.
- Co-inventor on 3 U.S. patents in ML-assisted picking and fulfillment optimizations.

### Hormone

Seattle, WA & Beijing, China

*Founder, Software Engineer*

May 2019 – May 2021

- Built a React Native mobile app and a cloud-native, fully serverless backend from scratch.
- Owned the full product lifecycle, from ideation through beta launch.
- Sunsetting the product prior to app-store release due to regulatory constraints.

### Microsoft

Redmond, WA

*Software Engineer*

May 2017 – March 2019

- Built distributed synchronization services for Azure Active Directory, supporting 500M+ global users.
- Designed and implemented data pipeline optimizations, significantly improving throughput and reducing end-to-end data staleness.
- Investigated live-site incidents while on call, owning mitigation and resolution to maintain SLA compliance.

### Wormhole

Madison, WI

*Founder, Software Engineer (part-time while in college)*

August 2012 – August 2017

- Founded Wormhole VPN to provide secure, privacy-preserving connectivity for 120,000+ users in constrained network environments.
- Launched while in college; owned end-to-end development, deployment, and operations.
- Discontinued the service in response to regulatory pressure from authorities.

## PATENTS

---

**US 12,412,151 B2** (Granted): Machine Learning Assisted Alerts for Item Picking.

**US 12,147,938 B2** (Granted): Inferring a location of an item within a warehouse from a taxonomy of items offered by the warehouse and locations of other items within the warehouse.

**US App 17/855,793** (Pending): Determining efficient routes in a complex space using hierarchical information and sparse data.

## EDUCATION

---

**University of Wisconsin–Madison**

Madison, WI

B.S. in Computer Science

September 2012 – December 2016

Elected twice as an Associated Students of Madison student government representative.

## SKILLS

---

Languages: Java, Python, Ruby, JavaScript/TypeScript, C#

Frameworks/Tools: Node.js, .NET, Rails, gRPC, Kafka, Kubernetes, Docker, Serverless, PostgreSQL, MySQL, Redis, DynamoDB, MongoDB, WebSocket, WebRTC, React, React Native