# DEVIN LIU

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## EDUCATION

**Illinois Institute of Technology** — **Expected: Dec 2025**

B.S in Computer Science, M.S in Computer Science — Chicago, IL

- **GPA:** 3.81/4.00
- **Course Work:** Algorithms, Distributed Systems, Big Data Technology, ML, AI
- **Awards:** 8x Deans List, Heald Merit Scholarship, Madany Scholarship

## TECHNICAL SKILLS

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|---|---|
| **Languages:** | JavaScript/TypeScript, Python, SQL |
| **Frameworks/Libraries:** | React, Next, Redux, Node, Jest, Pytest |
| **Developer Tools:** | AWS (RDS, S3, EC2, Lambda), Docker, Linux, Git |
| **Methodologies:** | Agile (Scrum, Kanban), CI/CD, REST API, OOP, Testing (Unit, Integration, E2E) |

## EXPERIENCE

**Full Stack Engineer** — **Remote**

City of Chicago (Contract) — Sep 2025 - Current

- Led architecture and development of ward's first civic platform for **51,000+** residents, replacing phone-based workflows.
- Built React + Supabase system deployed on CDN-backed infra, scaling to **thousands** of concurrent low-latency requests across distributed edge nodes.
- Integrated Supabase edge functions with admin tool, reducing staff update time by **95%** by enabling no-code content edits.

**Software Engineer Intern** — **Remote**

State Farm — May 2025 - Aug 2025

- Delivered React dashboard embed with dynamic filters, saving analysts **20%** time per issue by enabling prefiltered model sharing.
- Cut AWS multi-account context switching by **66%** through automated Lambda workflows, improving throughput for **20+** analysts.
- Eliminated **100%** of test related downtime by enabling IAM assume-role using Terraform + Lambda to access test accounts in prod.
- Modernized QuickSight dashboard UI for scalability, increasing screen space by **25%** and improving analyst usability.

**Software Engineer Intern** — **Bloomington, IL**

State Farm — May 2024 - Aug 2024

- Extended React drag-drop query tool with custom SQL functions using Python, enabling **90+** actuaries to query with fewer code.
- Implemented fuzzy search in Python to unify **500+** of inconsistent naming across datasets, improving auto-suggest relevance.
- Optimized CI/CD pipeline with Jest + Playwright, reducing flaky test runs by **40%**, improving release stability for **90+** actuaries.

**Software Developer Intern** — **Chicago, IL**

INFI — May 2023 - Aug 2023

- Engineered Python data pipeline correlating **20+** daily kiosk crashes with merchant telemetry, cutting mean time-to-diagnose by **70%** and reducing downtime across **1000+** kiosks.
- Reduced kiosk setup time by **42.5%** by building a React Native automation tool for OAuth mapping of Square payment devices.

**QA Intern** — **Chicago, IL**

INFI — May 2022 - Aug 2022

- Improved product reliability by documenting **100+** bugs per sprint through manual e2e, functional, and acceptance testing.

## PROJECTS

**Restaurant Online Order System**

- Developed a full-stack online ordering platform for local restaurant in Next.js Typescript powered by Square, reducing phone/DoorDash ordering with self-service checkout, saving **27.1%** in service fees.
- Ensured reliable payments by implementing idempotency keys with Firebase for Square Checkout, preventing duplicate transactions.
- Enabled item customization for **250+** menu items by integrating Square Order API, aligning with customer ordering habits.

**Epilepsy Diagnosis Reevaluation Site**

- Fine-tuned EfficientNet-B0 in PyTorch to detect abnormal EEG patterns with **78%** accuracy, addressing misdiagnosis risk.
- Deployed a Flask service for frontend EEG uploads, automating re-review and confidence scoring with EHR integration.

## LEADERSHIP / EXTRACURRICULAR

**Leadership:** Table Tennis Club President, CSSA External Relations: coordinated events/partnerships for **200+** members
**Hackathons:** Hack49, Climate Hacks, Hacktoon