

# DEVIN LIU

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## EDUCATION

<b>Illinois Institute of Technology</b>	<b>Expected: Dec 2025</b>
B.S in Computer Science, M.S in Computer Science	Chicago, IL
<ul style="list-style-type: none"><li>• <b>GPA:</b> 3.81/4.00</li><li>• <b>Course Work:</b> Algorithms, Distributed Systems, Operating Systems, Big Data Technology, ML, AI</li><li>• <b>Awards:</b> 8x Deans List, Heald Merit Scholarship, Madany Scholarship</li></ul>	

## TECHNICAL SKILLS

<b>Languages:</b>	JavaScript/TypeScript, Java, Python, C++, SQL, HTML, CSS
<b>Frameworks/Libraries:</b>	React, NextJS, Redux, Express, Node, Jest, Pytest
<b>Developer Tools:</b>	AWS (RDS, S3, EC2, Lambda), Docker, Linux, Git
<b>Methodologies:</b>	Agile (Scrum, Kanban), CI/CD, REST API, OOP, Testing (Unit, Integration, E2E)

## EXPERIENCE

<b>Full Stack Engineer</b>	<b>Remote</b>
City of Chicago (Contract)	Sep 2025 - Current
<ul style="list-style-type: none"><li>• Led architecture and development of ward's first civic platform for <b>51,000+</b> residents, replacing phone-based workflows.</li><li>• Built React + Supabase system deployed on CDN-backed infra, scaling to <b>thousands</b> of concurrent low-latency requests across distributed edge nodes.</li><li>• Integrated Supabase edge functions with admin tool, reducing staff update time by <b>95%</b> by enabling no-code content edits.</li></ul>	
<b>Software Engineer Intern</b>	<b>Remote</b>
State Farm	May 2025 - Aug 2025
<ul style="list-style-type: none"><li>• Delivered React dashboard embed with dynamic filters, saving analysts <b>20%</b> time per issue by enabling prefiltered model sharing.</li><li>• Consolidated dashboards from multiple AWS accounts using Lambda to return a unified view, reducing manual account switching by <b>66%</b> and improving throughput for <b>20+</b> analysts.</li><li>• Eliminated <b>100%</b> of test related downtime by enabling IAM assume-role using Terraform + Lambda to access test accounts in prod.</li><li>• Modernized QuickSight dashboard UI for scalability, increasing screen space by <b>25%</b> and improving analyst usability.</li></ul>	
<b>Software Engineer Intern</b>	<b>Bloomington, IL</b>
State Farm	May 2024 - Aug 2024
<ul style="list-style-type: none"><li>• Extended React drag-drop query tool with custom SQL functions using Python, enabling <b>90+</b> actuaries to query with fewer code.</li><li>• Implemented fuzzy search in Python to unify <b>500+</b> of inconsistent naming across datasets, improving auto-suggest relevance.</li><li>• Optimized CI/CD pipeline with Jest + Playwright, reducing flaky test runs by <b>40%</b>, improving release stability for <b>90+</b> actuaries.</li></ul>	
<b>Software Developer Intern</b>	<b>Chicago, IL</b>
INFI	May 2023 - Aug 2023
<ul style="list-style-type: none"><li>• Engineered Python data pipeline correlating <b>20+</b> daily kiosk crashes with merchant telemetry, cutting mean time-to-diagnose by <b>70%</b> and reducing downtime across <b>1000+</b> kiosks.</li><li>• Reduced kiosk setup time by <b>42.5%</b> by building a React Native automation tool for OAuth mapping of Square payment devices.</li></ul>	
<b>QA Intern</b>	<b>Chicago, IL</b>
INFI	May 2022 - Aug 2022
<ul style="list-style-type: none"><li>• Improved product reliability by documenting <b>100+</b> bugs per sprint through manual e2e, functional, and acceptance testing.</li></ul>	

## PROJECTS

<b>Restaurant Online Order System</b>
<ul style="list-style-type: none"><li>• 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 <b>27.1%</b> in service fees.</li><li>• Ensured reliable payments by implementing idempotency keys with Firebase for Square Checkout, preventing duplicate transactions.</li><li>• Enabled item customization for <b>250+</b> menu items by integrating Square Order API, aligning with customer ordering habits.</li></ul>
<b>Epilepsy Diagnosis Reevaluation Site</b>
<ul style="list-style-type: none"><li>• Fine-tuned EfficientNet-B0 in PyTorch to detect abnormal EEG patterns with <b>78%</b> accuracy, addressing misdiagnosis risk.</li><li>• Deployed a Flask service for frontend EEG uploads, automating re-review and confidence scoring with EHR integration.</li></ul>

## LEADERSHIP / EXTRACURRICULAR

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