

Haoxin Liu

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EDUCATION

Northeastern University	Aug 2023 - May 2025
<i>Master of Science in Electrical and Computer Engineering</i>	Cumulative GPA: 3.8 /4.00
Relevant Coursework: Navigation and sensing, Assistive Robotics, Field Autonomous Robotics, Computer Vision Legged Robotics	
California State Polytechnic University, Pomona	Aug.2017 - Dec 2021
<i>Bachelor of Science in Computer Science</i>	Cumulative GPA: 3.9 /4.00

WORK EXPERIENCE

Mobile Application Developer

Southern California Edison (SCE), Rosemead, California	Mar 2023 - June 2025
<ul style="list-style-type: none">Led the development and enhancement of enterprise mobile applications using Next.js and Node.js, supporting over 2,000 users.Delivered 10+ major upgrades to improve UI/UX, database performance, and application speed, resulting in higher user acceptance and feature adoption.Collaborated in Agile, cross-functional teams deliver projects on schedule and quickly respond to changing business requirements.	

Salesforce Engineer

Southern California Edison (SCE), Rosemead, California	Aug 2021 - Feb 2023
<ul style="list-style-type: none">Managed user administration, security settings, profiles, and workflow automation in Salesforce.Completed Salesforce Administrator and Platform Developer I certifications, demonstrating proficiency in platform customization.	

PROJECT EXPERIENCE

Swift UI Business Portal (iOS) Southern California Edison (SCE)	Oct 2024 - May 2025
<ul style="list-style-type: none">Designed and built a secure iOS business portal with SwiftUI, integrating Azure AD authentication and real-time Dynatrace performance monitoring—reducing app crashes by 35% and unauthorized access incidents to zero.Developed seamless SharePoint integration for advanced document search, bookmarking, offline downloads, and version control—accelerating document retrieval by 200% and decreasing task completion times by 25%.Implemented robust push notification features with admin-triggered alerts and local storage—doubling daily user engagement and boosting announcement open rates by 40%.Created intuitive interfaces for document management, announcements, and safety contacts, enabling 80% fewer work stoppages in the field and achieving a 50% increase in user satisfaction.	

Company Application Installation Platform Southern California Edison (SCE)	Jan 2024 - Sep 2024
<ul style="list-style-type: none">Architected and launched a cloud-based SaaS platform on Azure for secure company software distribution—achieving 99.9% uptime, zero unauthorized access incidents, and full compliance with cybersecurity audits for 1,000+ users.Designed intuitive, self-service web GUIs that reduced software deployment times by over 60% and boosted employee self-service adoption by 70%, significantly improving operational efficiency.Developed a robust admin control panel for automated app management, user/team access, asset auditing, and workflow automation—cutting manual IT workload by 40% and halving onboarding time for new tools.Integrated advanced analytics for installation tracking, usage trends, and license compliance, enabling leadership to make data-driven decisions and streamline audit processes.Implemented disaster recovery and auto-scaling, ensuring business continuity and rapid failover with RTO under 15 minutes across all environments.	

AI Chatbot for SCE.com Southern California Edison (SCE)	May 2023 - Dec 2023
<ul style="list-style-type: none">Developed and deployed an AI-powered chatbot on SCE.com, enabling customers to resolve billing, outage, and support inquiries instantly—reducing average response times by 50% and cutting live support workload by 30%.Designed conversational flows and backend API integration, boosting customer self-service adoption by 35% and decreasing queue wait times for urgent support by 20%.Led the upgrade to a GenAI-enabled chatbot with Copilot integration, delivering personalized, role-based responses that increased user satisfaction scores by 25%Conducted continuous user testing and training, improving chatbot answer accuracy from 75% to 92% and supporting over 20,000 unique users in the first quarter.	

RELEVANT SKILLS

- Programming & Tools: React.js, React Native, Node.js, Python, MongoDB, Salesforce, OpenCV, GTSAM,
- Robotics & AI: Robotics simulation, modeling, GPS navigation, localization and trajectory analysis (ORB-SLAM3), GenAI
- Full Stack & Mobile Development: Mobile app development, RESTful APIs, database design, Swift UI, Azure