

# ALLEN LI

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Austin, TX

## EDUCATION

### Texas A&M University

Bachelor's of Science Computer Engineering & Mathematics Minor - Cum Laude

2022 Recruitment Excellence Award, 2023 Interfraternity Council Rising Star Leadership Award, 2nd Place CSCE Capstone

College Station, TX

December 2024

## WORK EXPERIENCE

### Dell Technologies

Software Engineer

- Supply Chain Modernization

Software Engineer Intern

- Automated large demand verification process reducing manual workload by 6 hr/week. Further optimized code to reduce runtime by 75 %. Used Python, SQL, and various databases.
- Determined key metrics for success and collaborated with cross-functional teams to ensure proper implementation.

Product Design Intern, Campus Ambassador

- Led internal product design initiative focused on enhancing efficiency, streamlining workflows, and optimizing user experience for a project management team.
- Conducted in-depth user interviews, analysis, and comprehensive story mapping, prioritizing functionality.

### Poly (HP)

Inside Systems / Sales Engineer Intern

- Engaged clients, recommended solutions, and streamlined product integration. Conducted comprehensive front and back-end testing of Poly hardware across diverse ecosystems.

## PROJECTS

### Solar Tracker (Provisional Patent - 20459/10002), 2nd Place Capstone Expo

ML Engineer, Embedded Systems

- Senior capstone (winning 2nd) designed to provide highly granular data and forecasts to market participants.
- Weatherproof, solar-power system built using AWS EC2, Postgres, React, Node.js, various sensors & cameras. LSTM and CNN models trained on self-collected data.

### WNDR ENGN & Locals

Co-founder. Locals elevates bar district night-life and provides bars with unique customer insights.

- Designed UI, architected frontend and backend.
- Worked with team on product-market fit, consumer feedback, etc.

### Fly-back Smart Clock

Embedded Systems, Software Engineer

- Built and developed a "smart" wall clock with Arduino, 2 NEMA motors, infrared receiver, and RTC.
- Wall clock with a "timekeeping" mode and "timer" mode. Coded in Arduino C++, calibrated motors (controlling hours and min/sec) to high precision (losing <1 second a minute).

## LEADERSHIP AND INVOLVEMENT

### Alpha Tau Omega Fraternity

Director of Recruitment, PR, Recruitment Excellence Award, IFC Rising Leadership Award

- Spearheaded executive board decision-making on \$100,000+ contracts and budget. Personally managed \$40,000. Oversaw team of 5-8 and data of 1000+ prospective members. Led chapter of 120+ members.
- Recruited record-breaking new member classes. Recipient of Recruitment Excellence Award by Alpha Tau Omega national organization and Rising Star Leadership Award through Texas A&M IFC.
- Member of Order of Omega, oldest Greek Honor Society for high-performing students.

### Local Corporate Director - IEEE TAMUmake

Oversaw funding and business sponsorship for annual hardware hackathon. Budget of \$3000.

## SKILLS

- Programming Skills: Python, C, C++, Git/GitLab, Java, React, HTML, JavaScript, CSS, Verilog, PostgreSQL/MySQL, NoSQL DB, Node.js, Tensorflow
- Technical Skills: Figma, Prompt Engineering, Machine Learning, MongoDB, Redis, GreenPlum, AWS, UI/UX Design for Mobile/Web, Data Science/Engineering, Computational Photography, Microsoft Office Suite, Embedded Systems, Neural Networks
- Soft Skills: Large event management/planning, Recruitment, Project management, Executive + Interpersonal Communication