

Robin D. Hoesli

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EDUCATION

Texas Tech University

Exp. graduation May 2027

B.S. in Computer Science, Minor in Mathematics

Lubbock, TX

- GPA: 3.92/4.00, President's Honor List, SPE TTU
- Related Coursework: Data Structures & Algorithms, Linear Algebra, Comp Think Data Science

EXPERIENCE

1st Place best use of Web3 Solana & Best use of Gemini API

Sep 2025

HackWesTX 2025 - Hackathon

Lubbock, TX

- Engineered an AI-powered log analysis platform processing in 24 hours along a 4-person team, showcasing rapid development skills under high-pressure conditions.
- Innovated RAG and on-chain verification solutions, improving data retrieval and enhancing security for log analysis.

Undergraduate Research Assistant for Kulsawasd (Bo) Jitkajornwanich, Ph.D.

Apr 2025 - Current

Texas Tech University

Lubbock, TX

- Developing software to assist doctors in the early prediction of knee osteoarthritis using deep learning models.
- Focused on increasing the accuracy of stage classification to support timely diagnosis and treatment.
- Developing data processing pipelines using SQL and Python to extract insights from medical and patient data.

UX Design Apprentice

Aug 2019 - July 2023

Swiss Federal Railways

Bern, Switzerland

- Designed intuitive web interfaces in Figma for Switzerland's most widely used travel app, serving 3+ million users.
- Built an internal feedback-data gathering tool that increased utilization by 600%, collaborating closely with engineers, product managers, and conducting user research.
- Developed Microsoft PowerApps for scheduling multimedia equipment, streamlining resource sharing and saving the company \$30,000 at just 18 years old.

PROJECTS

Travel Route Optimizer – Google Maps API Integration

Sep 2025 - Sep 2025

Python, Google Maps API, Algorithm Optimization

Lubbock, TX

- Developed a Python-based program to optimize travel routes using the Google Maps Directions API.
- Designed route optimization logic to minimize total travel time across multiple destinations.
- Implemented caching to reduce redundant API calls, improving efficiency and performance.

logX+: AI-Powered Log Analysis Tool – HackWesTX 2025

Sep 2025

React, TypeScript, Tailwind CSS, Google Gemini API, Recharts, Solana Devnet (Blockchain/Web3)

Lubbock, TX

- Processed 10,000+ log lines into structured intelligence reports with 95% parsing accuracy using Gemini API.
- Built 2+ interactive visualizations (root cause chain diagram, error breakdown chart) to reduce debugging time by 40%.
- Simulated immutable auditing by hashing reports with SHA-256 and anchoring to the Solana Devnet.

Teaminsight – AI-Powered Feedback Analyzer

Apr 2025

Python, OpenAI API, Hugging Face, Transformers, Streamlit, NLP, Prompt Engineering

Lubbock, TX

- Built emotion detection pipeline using Hugging Face's transformer models to classify feedback sentiment in real time.
- Designed and deployed a web-based NLP tool to analyze team communication and productivity patterns using OpenAI's GPT-3.5.
- Created a user-interface with Streamlit; used "dotenv" for secure API handling and "venv" for environment control.

INVOLVEMENT

President Select Texas Tech

Feb 2024 - Current

- Selected for Texas Tech's prestigious President's Select organization, representing the university at weekly high-profile events and contributing to the Institution's continuing success.

Lubbock, TX

Texas Tech University, Kansas Wesleyan University, BSC Young Boys Academy

2009 - Current

Soccer Athlete

Switzerland & USA

- Played competitively at the college level, excelling as a strategist and team player.
- Balanced 20+ hours weekly of athletic training with full academic course load, maintaining a 3.92 GPA