

Serey Roth

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EXPERIENCE

Software Engineer

Apr 2023 – Jan 2026

AllDrafts, Inc – Bellingham, Washington

- Reduced contract drafting time from weeks to 3–5 minutes in production with an AI-driven contract-generation tool; adopted by a law firm that ran 100+ generations and praised in a public testimonial
- Designed and shipped the React frontend for the contract-generation system in 3 months, including a live rendering pipeline that streams contracts as atomic elements
- Developed custom Lexical integrations for the AllDrafts' editor, contributing 8 merged PRs to the official open-source repo
- Implemented the ESIGN/UETA-compliant e-signature system end-to-end – signing UI, real-time status tracking, and precise multi-page signature placement across HTML and PDF outputs for legally valid execution
- Stabilized the DOCX export pipeline for contract generation in production, resolving over 20 user-reported issues
- Led 5 full-stack features end-to-end, from REST APIs to production UI, partnering with product, backend and QA teams

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Three.js

AI Systems: LangChain, LangGraph, ElevenLabs, RAG, agent orchestration, voice agent, tool calling, prompt engineering

Backend: Node.js, FastAPI, REST APIs, GraphQL, PostgreSQL, Supabase, WebSocket

Tools: Git, Cypress, Figma, Claude Code, Cursor

PROJECTS

Humanoid Robot Simulator

<https://github.com/serey-roth/robot-viewer>

- Built a browser-based 3D humanoid robot simulator for Dexmate's Vega 1 model, parsing URDF files and rendering in Three.js/WebGL, with real-time control of a SAPIEN-simulated robot – no physical hardware required

VoiceScope

https://github.com/serey-roth/voice_research_agent

- Built and shipped a voice agent integration pipeline with ElevenLabs Agent that transforms customer interviews into structured insight, synced directly to Notion and Linear for stakeholder follow-up; submitted to the Mind the Product hackathon

Brekkie.ai

<https://github.com/serey-roth/brekkie.ai>

- Built an AI-powered recipe app that reduces decision fatigue in meal-planning, using LangGraph/FastAPI to generate recipes personalized from chat-extracted preferences stored in Supabase

EDUCATION

Master of Science, Artificial Intelligence

Jan 2026 – Present

San Jose State University – San Jose, California

- Cumulative GPA: 4.0
- Courses: Database Management Systems, Machine Learning

Bachelor of Science, Mathematics & Computer Science

Sep 2020 – Mar 2023

Western Washington University – Bellingham, Washington

- Honors: Magna Cum Laude, Cumulative GPA: 4.0
- Awards: WWU International Student Scholarship
- Courses: Data Structures, Algorithms, Web Programming

EXTRACURRICULARS

Western Libraries STEM Tutor

Sep 2021 – Mar 2023

Western Washington University – Bellingham, Washington

- Provided tutoring in mathematical subjects including calculus, linear algebra, statistics, and differential equations.