

Henry Huarte Toll

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EDUCATION

Cornell University, College of Arts & Sciences
Bachelor of Arts in Computer Science
GPA: 3.64 (Dean's List)

Ithaca, NY
May 2026

Related Courses: Computational Linguistics, Computer System Organization and Programming (C/Assembly), Operating Systems (C), Operating System Practicum (C), Machine Learning, Computer Networks, Combinatorics, Abstract Algebra, Manifolds and Differential Forms, Analysis of Algorithms

SKILLS

Programming Languages: Python, C++, Rust

Knowledge: Abstract Algebra, Combinatorics, Object-Oriented Programming (OOP), ML, MCP, K8S, Distributed Systems, PyTorch

WORK EXPERIENCE

Snorkel AI Intern, AI Startup	San Francisco Summer 2025
• Single-handedly developed and shipped a natural language upload data assistant automating uploading and data correction by building an agent that uses custom MCP servers, RL, and deploying to K8S.	
• Collaborated on building a customizable AI simulation engine built the tool calling architecture, S3 API, and tool call tracing.	
Anote AI Intern, AI Startup	New York Summer 2024
• Developed chunking techniques to enhance embedding functions for Retrieval-Augmented Generation (RAG) models on financial data.	
FinTech Collective Intern, FinTech VC Firm	New York Summer 2024
• Collaborated with startup founders and venture capital insiders, analyzing market trends and investment opportunities.	
• Delivered an investment pitch based on comprehensive data analysis, resulting in actionable insights for an eventual investment in a Series A 15.5m round.	
Smash Capital Ventures Intern, Later Stage Venture Capital Firm	New York Summer 2023
• Conducted market research and technological assessments to support investment decisions in software and internet companies.	

Project Experience

Agent RLHF Custom 14b Parameter Model Personal Research Project	September 2025 - Present Online
• Collaborated with a graduate student to train a 14B-parameter language model (roughly sota model size in 2023) on cloud GPUs, using new actor/critic/judge architecture as an alternative to standard RLHF.	
• Building inference API following OpenAI standard and deploying custom inference server via Kserve	
AI Generated Video Platform Small Team project	July 2025 - Present Online
• Collaborated with a 4-person team (including FAANG SWE and online influencer) to build a generative video platform for text, images, and 3D meshes.	
• Designing backend engine using LangChain for model orchestration layer to support customizable video synthesis with multimodal inputs.	
Kernel From Scratch Operating Systems Pracilium, Cornell University	February 2025 - May 2025 Ithaca, NY
• Collaborated with a team of 3 in building core OS components from scratch in C including memory allocation, scheduling, signals, and context switching.	
Leadership and Interests	
Senior Advisor, Cornell Extended Reality Project Team ExSoftware lead + founding member of Cornell XR (Extended Reality) Project Team	February 2024 - Present
• Led a team to build computer interaction software for VR with Stardust XR, and facial recognition for AR glasses	
Interests: Flamenco Guitar, CPU member (Cornell Political Union), Catan (co-founder of the Catan Club)	