

Todd Dong

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EDUCATION

Carnegie Mellon University | Bachelor of Science in Computer Science

Aug. 2024 - May 2028

Leadership and Involvement: [CMU Varsity Swim and Dive](#) (7th all time, School Record Holder, NCAA qualifier), Asian Students Association Mentor, Databricks Student Fellow, Volunteer Swim Coach, Special Olympics Volunteer, Scotty Labs Student Developer

EXPERIENCE

First Citizens Bank

May 2026 - Present

Software Engineering Intern

Raleigh, NC

- Designed and launched a self-service webhook onboarding console for enterprise bank clients, reducing manual internal CRUD operations and bettering client experience across Fraud, Sanctions, and KYC async API products
- Built a **RESTful** API layer with **9** endpoints wrapping an existing CRUD service, including validation and test callbacks
- Incorporated APIGEE OAuth identity resolution to enforce data isolation across webhook CRUD and test operations

Carnegie Mellon Human Computer Interaction Institute

Aug 2025 - May 2026

Machine Learning Research Assistant

Pittsburgh, PA

- Managed and reported for software development side of the student researchers on AI Collaborative Learning research team
- Optimized ML pipelines for boosting reliability and scalability achieving **18%** LLM runtime efficiency improvement
- Created automated tester to run **1,000+** test results to ensure cross-run consistency and enhance model benchmarking
- Coauthored **1,000 word** abstract accepted to full paper submission of special issue of [Learning: Research and Practice](#)

University of Alaska Anchorage Artificial Intelligence Lab

Jun. 2025 - Aug. 2025

Software Engineering Intern

Anchorage, AK

- Led project as sole software developer while brainstorming and collaborating with professors to build an application enabling hearing impaired individuals to experience and understand audio files through a user friend text application
- Implemented **OpenAI Whisper** for high accuracy speech recognition to convert live audio and uploaded mp3 files to text

Carnegie Mellon University Scotty Labs

Jan 2025 - Aug. 2025

Software Developer

Pittsburgh, PA

- Executed design choices and user preference filter system to improve UX/UI on open source <https://cmueats.com/> page
- Designed and implemented a **1,000+ user** review system enabling students to provide feedback on dining experiences

PROJECTS

[Humanitarian Aid Allocation Intelligence Platform](#) | Python, JavaScript, SQL, Supabase

Feb. 2026

- Won 1st** place at **Databricks x United Nations Hackathon** with **100+** other teams in 24 hour in person challenge
- Leveraged natural language processing to search UN datasets and web sources to provide deeper insights on critical locations
- Built a predictive AI agent using Cerebras API for crisis forecasting across **2** million rows across **12+** datasets
- Simplified overwhelming and complex datasets into a visual, interactive map for non technical users

[Databricks x OpenAI Code for Good Hackathon](#) | Python, Next.js, SQL, Genie, Lakehouse, Lakebase, Typescript

June 2026

- Invited to 2026 Databricks Data + AI Summit as a **Databricks Student Fellow** in the inaugural class to explore companies' use of current AI, data engineering, agentic AI development, and participated in in-person social impact hackathon
- Built agentic data application on Databricks platform mapping healthcare access gaps across **10,000+** Indian ICU facilities
- Constructed transparent AI agents using **Genie API** which decomposed natural language queries into SQL planning steps, merging warehouse results with cited evidence and human readable reasoning for non technical stakeholders

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML, CSS, SML

Tools and Libraries: Supabase, Jupyter, Git, Cursor, TensorFlow, NumPy, Matplotlib, Django, Kafka, AWS, Claude Code