

Franklin Hu

608.886.0952 | 121 Sleepy Hollow Ln, Belle Mead, NJ 37235
franklin.c.hu@vanderbilt.edu | www.linkedin.com/in/franklinhu

EDUCATION

Vanderbilt University, Nashville, TN

Bachelor of Science, Computer Science and Applied Mathematics, Minor in Business

May 2026

GPA: 3.85

RELEVANT COURSEWORK & TECHNICAL SKILLS

Courses: Computer Programming in Java and Python, Program Design and Data Structures, Discrete Structures, Digital Systems, Intermediate Software Design, Linear Algebra, Differential Equations, Statistics for Engineers

Coding Languages: C++, Python (Pytorch, Numpy, TensorFlow), Java, SQL, HTML, CSS, JavaScript

LEADERSHIP & PROFESSIONAL DEVELOPMENT

HRLB Lab - Vanderbilt Institute for Surgery and Engineering

April 2023 – Present

Undergraduate Researcher

- Advisor: Dr. Yuankai Huo
- Biomedical Data Representation and Learning Lab (HRLB Lab): <https://hrlblab.github.io>
- Lab Research Area: Medical Image Processing and Deep Learning
- Personal Research Area: Machine learning methods to segment instances of microvascular structures from healthy human kidney tissue slides using Pytorch and TensorFlow packages

VandyHacks

Feb 2023 – Present

Director of Operations

- Lead a team of six members from different backgrounds
- Organize VandyHacks Mentorship Program
- Organize all logistics of VandyHacks X (meals, transportation, merch and prize ordering, room booking/setup etc.)
- Collaborate with a leadership team of ten to fulfill goals for the year

Google Developer Student Club

Aug 2023 – Present

Event Coordinator (22-23 academic year); Club Leader (23-24 academic year)

- Manage a team of three individuals to run GDSC chapter at Vanderbilt University
- Organize and lead HTML, CSS, JS, and Firebase workshops
- Schedule panel discussions, and other events revolving around various Google technologies.
- Utilize HTML, CSS, and Javascript to create the front-end of a web application for the Google Solution Challenge

Veridt, Inc.

Jul 2022 – Aug 2022

Engineering Intern

- Collaborated with a team of engineers to program, assemble and test electronic keypad products' firmware
- Handle and process order fulfillment from initial parts to final packaging and shipping

Next Chapter Academic Tutoring

Jun 2021 – Aug 2021

Director of Operations and Technology

- Design, develop and deploy organization website (<https://www.nextchapteracademic tutoring.org/>)
- Deliver integration with 3p scheduling and notification system
- Took ownership of content creation and management. Perform media editing and publishing. Provide ongoing technical support and routine maintenance
- Optimize non-profit tutoring service SOPs for tutor acquisition and work progress updates
- Participate in fundraising events for operation expansion and new facility operationalization

Zenarc

Jun 2020 – Aug 2021

Co-founder and CFO

- Founded online non-profit learning service for unconventional skills
- Worked with partners to form financial models, entrepreneur visions and roadmaps.
- Engaged in the website development process and contributed ideas to solutions and strategies.
- Helped define customer experience and website design