

Ben Luis

(704) 807-6536 | benluishx@gmail.com | linkedin.com/in/ben-luis-6273a32b2 | github.com/benluis

EDUCATION

University of North Carolina, Chapel Hill

Bachelor of Science in Computer Science and Bachelor of Art in Biology

Chapel Hill, NC

Aug. 2023 – Present

EXPERIENCE

Software Engineer Intern

Havensight Consulting Group

May 2026 – Aug. 2026

Chicago, IL

- Leveraged functional knowledge of warehouse management systems (SAP WM, EWM, IM) to design a Mobile Application Builder architecture that accurately configured environments for supply chain execution.
- Developed a React-based frontend utilizing a local component-driven library to dynamically read metadata, generate live application previews, and configure UI states via a custom WebUI.
- Architected a scalable backend subscription service layer, designing relational database schemas in Azure SQL across multiple services and implementing REST/OData endpoints for robust CRUD operations.

Undergraduate Researcher

UNC Kenan-Flagler Business School

Oct. 2024 – Present

Chapel Hill, NC

- Engineered an automated data pipeline using Python, Selenium, and BeautifulSoup, deployed on the Longleaf cloud computing cluster, to ingest and clean over 50,000 project records for econometric analysis.
- Applied causal inference methodologies, conducting difference-in-differences and regression analyses using pandas and statsmodels to identify key financial and categorical drivers of crowdfunding campaign success.

Founder & CEO

Aeris Studio LLP

Nov. 2022 – Nov. 2025

Singapore, Singapore

- Designed and launched an interactive 3D e-commerce platform using Chakra UI, achieving \$100,000 in revenue within the first 6 months.
- Automated the 3D rendering pipeline with Blender Python scripts, reducing manual repetitive workflows by 90%.
- Managed end-to-end supply chain operations, including inventory management, order execution, and vendor negotiations, reducing operational expenses by 20% via a streamlined distributor storage strategy.

Military Security

Singapore Armed Forces

Oct. 2021 – July 2023

Singapore, Singapore

- Recognized for exceptional performance and teamwork in high-pressure environments during national service; received the CSSCOM award for dedication during Exercise Wallaby 2022.

PROJECTS

applybrr

May 2026

- Designed and prototyped an autonomous AI agent workflow using Python and LLM APIs to automate repetitive application activities, including dynamic resume tailoring and form data extraction.
- Tested and validated AI-powered agent outputs against business requirements, refining prompt engineering to improve the accuracy of automated job execution and data analytics matching.

Snippet Search

Mar. 2025

- Built a full-stack code search engine with an async Python FastAPI backend and a responsive Tailwind CSS frontend, allowing users to perform semantic searches on GitHub repositories via Supabase and Pinecone.

ToLaTeX

Oct. 2024

- Developed a Python web service using Flask, pandas, and the OpenAI API to convert PDFs and images into clean, editable LaTeX documents, automating a tedious manual transcription process.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Postgres, Azure SQL), JavaScript, TypeScript, HTML/CSS, R

Frameworks: React, Next.js, Node.js, Flask, FastAPI, UI5, Tailwind CSS, REST/OData APIs, JUnit, Material-UI, Chakra UI

Developer Tools: Git, Docker, AWS, Azure, Supabase, Pinecone, VS Code, Visual Studio, Blender

Libraries & AI: pandas, NumPy, statsmodels, Matplotlib, LLMs, AI Agents