Hayden D. Holmes

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Current Address: 304 W 15th St, Bloomington, IN 47404

EDUCATION

Indiana University - Bloomington, IN   Expected Graduation: May 2026
Luddy School of Informatic, Computing, & Engineering
Bachelor of Science in Computer Science   - Artificial Intelligence Specialization
Minor: Business
Cumulative GPA: 3.8
Honors and Awards: Dean's List Fall 2022, Fall 2023, Spring 2023, Fall 2024

PROFESSIONAL EXPERIENCE

Capgemini Launch Intern, Chicago IL
Presales & Strategic Advisory Services   Summer 2025
- Earned **Consumer Products, Retail & Sales (CPR&S) L2 certification**, gaining foundational knowledge of retail operations and strategy
- Produced content for three **account-wide town halls**, including slide decks and introductory videos reaching 200+ employees
- **Researched and summarized** McDonald's international development licensed restaurants **providing insights to inform strategic account decisions**
- Collaborated with senior leadership across Capgemini business units **on two strategic and valuable active RFP responses**
- **Developed and refined client-facing slide decks**, aligning content with pursuit themes and branding
- **Built Excel-based activity trackers** to **align 20+ stakeholders**

IU Undergraduate Instructor and Tutor, Bloomington IN   April-May 2023 | August–December 2024
Data Structures & Intro to Software Systems
- Collaborated with peers to develop and distribute weekly class materials for 150+ students
- Displayed integrity by holding team members **accountable**.
- Developed Java tests to grade students' work

PROJECTs

Telecom Churn Modeling || Python
- Built and evaluated machine learning models (Logistic Regression, Decision Trees, Random Forests) to predict telecom customer churn, achieving up to **97% ROC-AUC** across segments.
- Delivered actionable insights on churn drivers (complaints, usage intensity, customer value), recommending **targeted retention strategies** that informed segment-specific outreach campaigns.

Olist Brazil E-commerce Data Pipeline │ Python • PostgreSQL • AWS RDS/S3 • XGBoost
- Built a cloud pipeline loading raw Olist data to AWS RDS, testing SQL features, and exporting clean tables to S3 for modeling.
- Trained models predicting **late deliveries** and **customer churn**, revealing distinct sellers as a key delay driver and spend metrics as top churn indicators.
- Implementing robust testing infrastructure to ensure query results were correct

Artificial the Artist || Python | EC2 | Shopify | OpenAI, Google Sheets & Gelato APIs
Co-Founder & Developer
- Co-founded an on-demand shipping store specializing in products featuring AI-generated art.
- Developed the website using Shopify, integrating AI tools for automatic art generation and product updates.

Intro to AI Final Project || Python
- Collaborated with classmates to create a capable Othello artificial player using an AlphaBeta Minimax Algorithm
- Researched the problem space to develop an advanced heuristic function combining multiple aspects of the game

TECHNICAL SKILLS

Languages: Java | Python | C | HTML | CSS | R | Flask | Postgres SQL,
Software and Tools: Excel | Git | Shopify | Docker | Vagrant VM | AWS [S3, EC2, networks & subnets, IAM]
Analytical Tools: Pandas| NumPy
Certificates: (NASBA) SQL Essential Training | (LinkedIn) CSS Essential Training

LEADERSHIP

Varsity Men's Lacrosse, Fishers IN | State Champions: 2021 & 2022   2018-2022
- Recognized as a **team leader**, who held my teammates **accountable,** through **example and communication**