

LOGAN PILCHER

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EDUCATION

University of North Carolina at Chapel Hill | Chapel Hill, NC

May 2026

B.S. in Information Science | Minors in Data Science and Music | GPA: 3.68/4.0

- **Relevant Coursework:** Database Systems, Systems Analysis & Design, Data Mining, Information Retrieval, Web Development
- **Honors:** Dean's List (5 semesters: Spring 2023, Fall 2023, Spring 2024, Spring 2025, Fall 2025)

SKILLS

- **Technical:** Python, R, SQL, TensorFlow, Keras, Pandas, NumPy, HTML/CSS, JavaScript, Data Modeling & Analysis
- **Business Tools:** Advanced Excel (data analysis, modeling), PowerPoint (client presentations), Microsoft Office Suite

PROJECTS

Stock Price Forecasting Model

- Designed and implemented a Long Short-Term Memory (LSTM) neural network using TensorFlow and Keras to forecast Amazon stock closing prices, achieving strong predictive accuracy in trend analysis
- Conducted comprehensive feature engineering including technical indicators (moving averages, RSI, MACD) on multi-year historical market data to enhance model performance
- Visualized model performance metrics and prediction outputs to communicate insights effectively

COVID-19 Epidemiological Data Pipeline

- Developed an end-to-end Python-based ETL (Extract, Transform, Load) pipeline to aggregate and analyze COVID-19 data from multiple sources, enabling data-driven decision-making
- Implemented robust data validation and cleaning procedures to handle inconsistent formats and missing values, improving data quality by 30% and ensuring analytical reliability

PROFESSIONAL EXPERIENCE

JH Pilcher Contracting | Beaufort, NC

May 2022 – Aug 2025

Contractor's Assistant

- Facilitated client meetings with homeowners to discuss project specifications including floor layouts, electrical systems, plumbing, and HVAC, translating technical requirements into actionable project plans
- Coordinated cross-functional project teams including engineers, subcontractors, and suppliers to ensure on-time delivery of materials and alignment on structural modifications, reducing project delays by 15%
- Optimized resource allocation and scheduling workflows for multiple concurrent construction projects, managing timelines and budgets to maximize operational efficiency
- Redesigned company website to enhance digital presence, implementing updated project galleries and improving user experience, resulting in increased client engagement

Kappa Delta | Chapel Hill, NC

Aug 2024 – Present

Dining Services Staff

- Deliver service to 200+ members nightly in a fast-paced environment, maintaining attention to detail
- Collaborate with kitchen and service teams to streamline meal preparation and delivery workflows

LEADERSHIP & ACTIVITIES

- **Classical Piano Performance:** Weekly 2-hour lessons and performances of advanced repertoire; collaborated with UNC Chamber Music ensemble, demonstrating discipline, time management, and commitment to excellence
- **UNC Business Tech Club:** Engaged with technology's role in business strategy and digital transformation trends
- **Pi Kappa Phi Fraternity:** Active member contributing to community service initiatives and organizational leadership