

ETHAN WU

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PROFESSIONAL SUMMARY

Data analyst with a computer science background building production analytics tools in Python, SQL, and Snowflake. Combines technical depth with business judgment to deliver forecasting models, automated pipelines, and decision-support tools that drive financial and operational outcomes. Pursuing an M.S. in Computer Science with coursework in database internals, distributed systems, and software architecture.

PROFESSIONAL EXPERIENCE

E15 GROUP *Remote* — Data Analyst, Business and Strategy **October 2024 – Present**

M&T Bank Stadium (Baltimore Ravens) and Sports Illustrated Stadium

- Developed concert pricing strategy for Sports Illustrated Stadium, advising leadership on price points and product placement to maximize per-cap revenue for non-game-day events.
- Developed a predictive cannibalization model using statistical and ML techniques to quantify cross-product sales relationships, enabling leadership to model how pricing or volume changes on one item ripple through the broader menu.
- Redesigned and automated the consumption projection methodology in Python, pandas, and NumPy, replacing manual legacy processes and producing more accurate inputs for inventory and operational planning.
- Built MS Fabric ingestion pipelines that consolidate sales data into Snowflake, eliminating manual data movement and keeping analytics on a consistent source of truth.
- Prototyped an automated reporting workflow in n8n orchestrating custom Python, JavaScript, Snowflake and Neo4j queries, and a local LLM to surface AI-driven insights into consumption trends.
- Own recurring financial forecasting deliverables, including game-by-game projections and annual revenue forecasts that directly inform budgeting decisions.
- Engineered custom Snowflake views and complex SQL queries that power Tableau dashboards and financial reports, translating raw transaction data into KPI-level insights for non-technical business stakeholders.

SAMARITAN INNS *Washington, D.C.* — IT & Financial Consultant **May 2024 – December 2024**

- Served as the primary point of contact for all in-house IT needs, managing the ticket queue and providing strategic recommendations that improved oversight of external IT contractors.
- Conducted cost center analysis reporting directly to the CEO, delivering insight into millions of dollars in cash flow and supporting more deliberate fund allocation and expense decisions.
- Oversaw accounts payable operations — vendor invoices, contractor payroll, bill tracking — and maintained vendor relationships to ensure prompt resolution of billing issues.

CAMPLIFE *Mt. Juliet, TN* — Java Developer — Rules and Reports Intern **July 2021 – September 2022**

- Developed and maintained Java code powering dynamic campsite scheduling and pricing rules for more than 1,000 campgrounds across the United States and Canada.
- Built and maintained thousands of SQL reports enabling clients to analyze operational and financial data efficiently across a large customer base.
- Managed the JIRA queue of bugs and enhancements, partnering with Customer Success and meeting directly with customers to gather requirements and minimize operational downtime.

EDUCATION

Master of Science, Computer Science — *Southern Adventist University* **Expected December 2026**

Bachelor of Science, Computer Science — *Southern Adventist University* **August 2023**

TECHNICAL SKILLS & CERTIFICATIONS

Languages & Databases: Python, SQL, Java, C++, C#, JavaScript, TypeScript; Snowflake, PostgreSQL, MySQL, SQLite
Analytics & ML: pandas, NumPy, Statistical Modeling, Machine Learning, Tableau, KPI Reporting, Data Warehousing
Cloud, Tooling & Certifications: AWS, Azure, Linux/Unix, Git, REST APIs, Fivetran, n8n, Neo4j, JIRA; DataCamp Data Engineer Associate (June 2025)