August Majtenyi

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Data Analyst, skilled at optimizing business processes and improving decision-making.
Experienced in crafting dashboards and quality visuals for data storytelling.

Programming: Python, R, SQL, JavaScript ◆ **Statistical Software:** Power BI, Tableau
Certifications: PCEP – Certified Entry-Level Python Programmer, AWS Certified Cloud Practitioner

EDUCATION

Master of Science ◆ Analytics   May 2025
Institute for Advanced Analytics, NC State University, Raleigh, NC

Bachelor of Science ◆ Design   May 2021
The Ohio State University, Columbus, Ohio

PRACTICUM

Academic Programs International   Raleigh, NC
Team Lead   August 2024 – Current
- Automating a housing selector tool in Python with PuLP optimization to enhance customer experience
- Developing our automation into a fully functioning class with complete documentation
- Tuning an XGBoost model with cross-validation to predict future housing prices
- Validating the housing cost model with 8.75% MAPE, better than all target shuffling alternatives
- Utilized Shapley values to interpret the five most relevant contributors to global housing costs
- Web-scraped competitor market data for company directors to evaluate yearly session price changes

WORK EXPERIENCE

KIOTI Tractor   Wendell, North Carolina
Junior Business Analyst   August 2023 – May 2024
- Crafted Power BI dashboards that saved 100+ hours of efficiency yearly across six different departments
- Pioneered daily sales monitoring for company executives to make decisions on quarterly sales programs
- Aggregated data via SQL for monthly vendor reports to calculate market share across North America
- Built an ETL pipeline to identify which warranties were disproportionately rising relative to our sales

PAST Foundation   Columbus, Ohio
Research Associate   July 2022 – July 2023
- Collected data from 700+ students to validate a STEM Identify instrument with IRB approval[i]
- Analyzed paired t-tests with Bernoulli adjustment in R to Identify significant trends in STEM Identity
- Taught JavaScript, Game Design, and Virtual Reality 3D modeling to youth ages 10 – 18[i]

Smart Columbus   Columbus, Ohio
Design Research Intern   September 2021 – June 2022
- Analyzed low wifi speeds to inform an RFI from the City of Columbus, resulting in a $15M investment[i]
- Conducted interviews and workshops with 100+ Digital Divide Stakeholders for community alignment[i]

ANALYTICS PROJECTS

- **Clustered Earnings Calls**: Web-scraped 4 years of unstructured earnings calls and analyzed AI sentiment[i]
- **NCSU Women's Tennis Dashboard:** Culminated tennis stats and visualized 18 key player metrics[i]
- **Lifecycle Investing**: Used simulations to calculate 12% ROI annualized over ten years of LEAPS investing[i]