

EMIL WESTLING

emil.westling@duke.edu • (864) 201-6242 • [LinkedIn/emilwestling](https://www.linkedin.com/in/emilwestling) • www.emilwestling.com

EDUCATION

DUKE UNIVERSITY, The Fuqua School of Business

Durham, NC

Master of Science in Quantitative Management: Business Analytics – GPA 3.9

May 2025

Coursework: Data Science for Business (Python), Data Infrastructure (SQL), Decision Analytics & Modeling (Excel), Deep Learning (PyTorch), Data Visualization (Tableau).

FURMAN UNIVERSITY

Greenville, SC

Bachelor of Science, Applied Mathematics, Double Major: Computer Science – GPA 3.9

May 2024

Athletics Scholarship, Mathematics Scholarship, Phi Beta Kappa, Dean's List (all semesters), Post Graduate SoCon Scholarship.

EXPERIENCE

MORGAN STANLEY

Atlanta, GA

Summer Analyst

Jun – Aug 2023

- Analyzed investment products through statistical analysis and financial modeling, presented actionable insights to 50+ senior executives. Integrated one fund into the group's portfolios.
- Spearheaded a data-driven client outreach system, optimized engagement strategies for 400+ clients. Improving relationship management through targeted insights.
- Conducted market research, generated visualizations for pitch decks. Helped acquire a \$1M client.

CRUNCHFISH

Malmö, Sweden

Software Engineer Intern

May – Jul 2022

- Built a Java-based ASN.1 decoder integrated into payment systems, ensuring secure transaction processing.
- Collected, cleaned, and manipulated image data using Python, driving development of a new hand-tracking machine-learning model.
- Led and organized biweekly brainstorming sessions with project managers and engineers to identify key challenges and opportunities, directly contributing to deploying a new machine-learning model.

PROJECTS

Ride Sharing Dynamic Pricing (Python, SQL)

- Designed and implemented a SQLite database to store and analyze pricing data. Conducted EDA using SQL and Python to identify key pricing trends. Trained a dynamic pricing model using a random forest regressor, optimized fare prices based on demand-supply ratios and time-based multipliers, leading to a 15% simulated revenue boost.

Lung Cancer Detection (PyTorch)

- Developed and trained a convolutional neural network on 3,000+ images to detect lung cancer from CT scans. Achieved 87% accuracy on early-stage cancer and 100% accuracy on late-stage cancer, enabling faster diagnoses and improving productivity for healthcare professionals.

LEADERSHIP EXPERIENCE

DUKE UNIVERSITY MEN'S TENNIS

Durham, NC

Graduate Assistant Coach

Jul 2024 – May 2025

- Coaching NCAA D1 team ranked 7th nationally, focusing on player development and practice plans.
- Leading data analytics by reporting on player performance with PowerBI dashboards.

FURMAN UNIVERSITY MEN'S TENNIS

Greenville, SC

Student-Athlete & Team Captain

Aug 2020 – May 2024

- Completed 25+ hours of practice and matches weekly, achieving a top 60 national ranking.
- Served as team captain for two years, selected for leadership and program representation.

TECHNICAL SKILLS

Python, R, SQL, Tableau, AWS, Java, Advanced Excel, Machine Learning (scikit-learn, PyTorch), Git.

ADDITIONAL INFORMATION

Languages: English (Fluent), Swedish (Fluent), German (Basic).