Samuel L. Beilenson
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EDUCATION

University of Portland, Portland, OR Class of 2024
Bachelor of Arts in Psychology, Minor in *Economics* and *Music*
GPA: 3.8, **Major GPA**: 4.0

Willamette University, Salem, OR (August 2025)
Master of Science in Data Science
GPA: 3.97

SUMMARY

I'm seeking a research position that utilizes my skills and passion for using data to reveal patterns that guide efficiency, sustainability and performance. I've developed skills in survey design, web scraping, bias-aware research, hypothesis testing, machine learning, effective data visualizations, and technical writing. From data science, economics, and psychology projects to years of practicing and teaching music, I've developed disciplined, transferable learning processes that help me adapt quickly, solve problems, and communicate insights effectively. I'm eager to bring these tools into an organization to be as helpful as possible.

SKILLS

Data Analysis	R, Python (pandas, scikit-learn), SPSS, Excel, STATA; hypothesis testing, regression modeling, data cleaning, cost-benefit analysis
Visualization & Dashboarding	ggplot2, R Shiny, Canva, PowerPoint, Tableau, PowerBI
Research & Data Methods	Survey design & analysis (Qualtrics), experimental design, sampling, data cleaning & quality control, web scraping, feature engineering, regression diagnostics
Communication, Writing & Stakeholder Engagement	Report writing, technical writing *and* layperson translation, Active Listening and Notetaking, interviewing and counseling experience, presentation skills

RESEARCH & DATA PROJECTS

Master's in data science Capstone: AI Music Classifier	Coled and created a complete data science pipeline from data collection, data engineering, feature engineering, through machine learning while maintaining professional standards and ethical considerations. The goal of the project was to analyze data of, and train a machine learning model to differentiate data of human composed musical features and AI generated music.
Data Visualization *(Fall 2024)*	Designed data stories using perceptual techniques in ggplot2. Created maps, time series, and categorical visualizations. Final project focused on presenting trade-offs in graduate admissions metrics to stakeholders.
Machine Learning *(Spring 2025)*	Explored and built supervised and unsupervised techniques in R and Python. Focused on feature engineering, modeling, and validation. *Main Project:* Built a classifier to distinguish AI- from human-written essays using research-driven features and accuracy testing.
Sales Engineering *(Spring 2025)*	Co-led a project simulating client engagement and business strategy. Proposed a data-driven inventory solution that was delivered in a stakeholder pitch format and judged by industry professionals. "Won the sale" against several teams in the class.
Capstone Thesis – Psychology of Grief *(2023–2024)*	Designed and led an independent study on the evolutionary function of grief. Conducted literature review, IRB-approved data collection, statistical analysis in SPSS, and formal paper. *Presented:* Western Psychological Association Conference (San Francisco) and University of Portland Scholarship Day.

Other Relevant Courses and Projects: Environmental Science • Data Science with R & Python • Data Engineering • Data Ethics • Research Methods I & II • Behavioral Neuroscience • Positive Psychology • Psychology & Economics • Market Power • Micro & Macro Economics • Generative AI Tools

Current Project: Designing a machine learning classifier to detect AI-generated solo piano compositions using acoustic feature engineering. Completed steps: dataset curation, exploratory data analysis, and feature extraction in R.

PROFESSIONAL EXPERIENCE

Music Instructor
Bach to Rock Music Schoo, 4/4 School of Music, Backbeat Music Schooll – Portland, OR | Jul 2024–Present
- Provide private drum and guitar instruction to students of all ages and skill levels, developing customized lesson plans and performance assessments
- Demonstrate patience, communication, and personalized learning—skills transferable to client-facing data consulting roles.

Undergraduate Research Assistant
University of Portland – Portland, OR | Aug 2021–Dec 2023
- Collaborated with the head of the Psychology department on the design of their long-term evolutionary psychology research project
- Gained experience in literature review, statistical analysis, and data collection, including producing written summaries to share insights with the team.
- Explored how quantitative methods and qualitative insights can drive meaningful social change

Summer Intern
Medinet Australia – Sydney, Australia | May–Aug 2023
- Supported cross-functional teams including HR, Sales, Marketing, and Customer Success.
- Conducted Excel-based research across New South Wales hospitals and clinics for sales intelligence, mapping 100+ hospitals for later analysis.
- Contributed to a website redesign project using Figma and user-centered design principles
- Assisted with HR deliverables such as job descriptions, slide decks, and internal documentation

Additional Experience

- **Recording Engineer**, University of Portland |*2022-2024*
- **Recording Studio Runner**, Paramount Recording Studios, Los Angeles, | *Summers 2018-2021*
- **Pep Band Drummer**, University of Portland (WCC & NCAA Tournament travel team) | *2021-2024*
- **Peer Wellness Advisor**, University of Portland |*2021-2022*