Nicholas Taylor

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EDUCATION

University of Washington Bothell **Expected Jun 2027**
Bachelor of Science (B.S.), Data Visualization (GPA: 3.71) *Bothell, WA*
- **Honors**: Dean's List (2023-2024); selected as a Peer Coach due to academic and professional merit.
- **Quantitative Coursework**: Linear Algebra, Statistics, Predictive Modeling.

PROJECTS

PyDualSense-MotionToKey | *Python, SDL2-GameController, OpenGL*
- Designed a user-friendly end-to-end software application to query, visualize, and remap motion data from a Sony DualSense controller's gyroscope and accelerometer into output with **99%** accuracy.
- Engineered entirely in Python, the tool allows users to create, save, and load custom script actions, which are triggered by wired or wireless movement of the controller.
- User-made script actions extend functionality to physical applications in tracking exercise reps, hotkeys for frequently used functions, and programming precise movements to control machinery.

Tableau Job Market Deconstruction | *Python, PostgreSQL, Excel, Tableau*
- Developed a comprehensive dashboard deconstructing data analytics in the modern job market.
- Processed a public Kaggle dataset of **60,000** job postings using Python (Pandas), PostgreSQL, and Excel for validation and pivoting, expanding to **1** million lines for more granular analysis.
- Engineered a multi-sheet interactive Tableau dashboard translating raw data from **3,000** relevant roles into actionable insights, visualizing hiring trends, hotspots, and experience requirements.

JacketGAN | *Python, TensorFlow, OpenCV, GANS*
- Designed and built an end-to-end deep learning ETL pipeline to automate the creation of high-resolution j-card designs using a Generative Adversarial Network (GAN).
- Top-performing models served as a successful proof-of-concept, achieving ~**80%** of the desired output, automating a process taking **20-45** minutes per image done manually.

EXPERIENCE

Peer Coach **Mar 2025 - Present**
Orientation & Transition Program University of Washington Bothell *Bothell, WA*
- Analyzed qualitative data from initial consultations to develop personalized success plans for a **40+** student cohort of prospecting first-years on pathways, career development, and navigation.
- Prepared and delivered frequent progress reports to supervisors, summarizing cohort engagement data and highlighting key trends for programmatic improvement.
- Ensured data integrity and quality across multiple platforms by meticulously tracking outreach dates, meeting notes, student progress, and goals throughout each student's first year.

Specialist **Jul 2024 - Jan 2025**
Apple *Lynnwood, WA*
- Maintained top-tier KPIs, including a **70%** AppleCare conversion rate and a **99%+** customer satisfaction rating, using sales data to inform and adapt personal sales strategies.
- Identified correlation between high-traffic product launches and B2B lead generation, increasing client qualification from the goal of **1-2** per week to upwards of **8** per day during release weeks.
- Drove **$40,000+** in revenue from Vision Pro packages alone through compelling, data-informed prduct demonstrations tailored to an individual's or business's needs.

TECHNICAL SKILLS

Languages & Databases: SQL, Python, R, PostgreSQL
BI & Visualization Tools: Tableau, Power BI, Excel, Databricks
Libraries & Frameworks: Pandas, NumPy, Scikit-Learn, TensorFlow, OpenCV
Skills: Data Analytics, Storytelling, Dashboarding, KPI Reporting, Machine Learning, Data Modeling