

AXEL MICHAUD

EDUCATION

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Virginia Tech College of Science (Blacksburg, VA): August 2019 - May 2024

B.A. in Economics (Option: Managerial Economics and Data Science; Minor: Statistics)

-Related coursework: Python, Advanced Big Data Econ, Time Series Analysis, Categorical Data Analysis, Probability & Distributions, Game Theory, Forecasting, Economic DA, R, SAS, Deep Learning, Diff Eq, Linear Algebra, Operational Methods, Bayesian Methods, Statistical Learning and Inference, etc.

-Involvements: Member and Mentor in Virginia Tech's Innovate Entrepreneurship and Leadership Living-Learning Community, Executive Board Member for Alpha Epsilon Pi's Sigma Alpha chapter, Social Media Strategist for Burntcup VT, Member of Entrepreneurship Club, worked crew for VT Dining Services.

IBM DevOps, Cloud and Agile Foundations Specialization: Fall 2024

DeepLearning.AI Deep Learning Specialization: Summer 2024

Google Data Analytics Professional Certificate: Summer 2022

SKILLS/PROJECTS

-Skilled in computer applications and programming languages: spreadsheets (Google Sheets, Excel), R/RStudio, Python, SQL, SAS, Tableau, LaTeX, Java

-Strong understanding of Probability and Statistics: EDA, MLE, Hypothesis Testing, ANOVA, time series analysis, contingency table analysis, Regression (Linear, Logistic, Regularized, etc.)

-Experience with Machine Learning in Python: ANNs, NLP, CNNs, RNNs, MLPs, Decision Trees, Random forests, PCA/Factor Analysis, Stochastic Gradient-descent, linear classifiers, SVMs, dimensionality reduction, (hierarchical) clustering, evaluating models, etc. Compared RF and MLP classification models for music genre classification using audio data (GTZAN). Used a blended model (Penalized regression, XGBoost, LGBM) to estimate home prices given property data.

-Scraping data from websites in Python using libraries, organizing and transforming it using Pandas and Numpy, creating machine learning models using scikit-learn, PyTorch, TensorFlow, Keras. Comfortable using libraries to create appropriate data visualizations.

-Speaks and writes in French, English and Swedish with mastery.

-Posts on website axelmichaud.com programming/data-related projects and content.

-Aptitude for speaking and writing through story-telling, imagery, and succinctness.

-Attained rank of Eagle Scout (Boy Scouts of America).

WORK EXPERIENCE

Salesman @ Brooks Brothers : Fall 2024 - Current ; @ J.Crew : Summers 2018 & 2019, Winters 2020 & 2022

- BB: Primarily sold suiting and menswear, providing excellent and attentive customer service with deep brand, product and sartorial knowledge. Since starting, responsible for six-figures in net sales. Similar responsibilities to the role at J.Crew.

- J.Crew: Provided welcoming customer experience assisting customers by selling products, fitting, cashiering, filing returns, stockroom organization, salesfloor maintenance, cleaning, etc.

Student Researcher for Summer Research Project @ Virginia Tech : Summer 2023

-Worked under Professor Ali Habibnia's Summer Research Project exploring Testing for Neglected Nonlinearity in High-Dimensional Multivariate Time Series.

-Searched databases for authors and papers pertaining to this area of Statistics, summarizing and presenting key findings. Explored several different ways to describe nonlinear time series, and tests for neglected nonlinearity in univariate/settings including various Neural Network tests. In Python, replicated one of the paper's data-generating processes for generating a nonlinear univariate series by Markov Regime-switching Autoregressive model, testing series using the BDS test.

Warehousing Associate @ Amazon : Summer 2020; @ UPS : Summer 2022

-Amazon (Newark, CA): Understood different roles necessary for operating a fulfillment center by performing many different functions, including building pallets and operating jacks from inbound to outbound shipping.

-UPS (Menlo Park, CA): Transported packages from conveyor belt and organized into appropriate mail trucks.

Driver @ DoorDash, Shipt, Uber : Summers 2021, 2023 & 2024

-Personal shopper, chauffeur and delivery driver for these mobile applications in the SF Bay Area.

Dining Services @ McDonald's : Spring 2017; @ VA Tech Dining Services : Spring 2021

-VT Dining Services (Blacksburg, VA): Dishwasher for Turner Place, Crew for Qdoba.

-McDonald's (Mountain View, CA): Some responsibilities as crew included cashier, drive-thru prep, restocking.