

Noah Ruiz

916-753-5463 | noahruiz416@gmail.com | [Portfolio Site](#) | [Github](#) | [LinkedIn](#) | Tempe, AZ

EDUCATION

Arizona State University

Tempe, AZ

B.S in Economics with minor in Mathematics

Aug. 2020 – December 2023

Organizations: Alpha Kappa Psi Professional Business Fraternity (Sponsorship Committee Chair), Machine Learning Club (Director of Outreach), Arizona State University Unit for Data Science and Analytics

Awards: Deans List 4x, JP Morgan "Data for Good" Hackathon Finalist, American Statistical Association Hackathon Judges Choice Award

Relevant Coursework: Applied Statistics, Introductory Econometrics, Applied Regression Modeling, Applied Machine Learning, Data Structures and Object Oriented Programming, Intro Information Systems, Linear Algebra, Multivariable Calculus, Intermediate Microeconomic and Macroeconomic Theory

TECHNICAL SKILLS AND INTERESTS

Languages: Python, SQL

Data Science Methods: Supervised Learning, Unsupervised Learning, Regression Modeling, Exploratory Data Analysis, Statistical Inference, Non-Parametric Statistics, Non-Linear Modeling, Cluster Analysis, Ensemble Methods, Data Visualization

Developer Methods/Tools: Agile Development, Git, Azure DevOps, Google Cloud, Jupyter Notebooks

Libraries: pandas, NumPy, Matplotlib, seaborn, sklearn

Other Interests: Combat Sports, Muay Thai, Data Science for Social Good, Teaching and Tutoring

WORK EXPERIENCE

Data Science Intern – Nationwide Insurance

August 2022 – December 2022

Remote

- Developed early stage machine learning models to predict whether or not accounting interface data comes in within an accepted level of materiality
- Leverage unsupervised learning models (K-Modes Clustering, Isolation Forests) to segment anomalies and identify distinct groups of ledger entries
- Conduct exploratory data analysis to explore the distribution, skew, shape and nature of large financial data sets
- Utilize python to conduct analysis & modeling, clean messy data sets and create insightful data visualizations

Research Computing Intern – Pacific Northwest National Laboratory

May 2022 – December 2022

Tempe, AZ

- Responsible for the implementation of standardized CI/CD pipeline templates across 30+ production level applications
- Developed additional features into CI/CD templates including security/health checks, teams notifications and automated run times
- Presented final project report and product to over 50+ symposium attendees and executive stakeholders

Mathematics and Statistics Tutor – Arizona State University

January 2022 – May 2022

Tempe, AZ

- Responsible for tutoring hundreds of students in Economics, Statistics and Mathematics
- Developed subject matter expertise in courses tutored, in areas such as regression analysis, statistical inference and calculus
- Received positive feedback from students and staff, regarding teaching style and attitude

Supplemental Instruction Leader – Arizona State University

August 2021 – December 2021

Tempe, AZ

- Held weekly lecture style SI sessions, where I reviewed economics concepts and practice problems with over 10+ students a week
- Collaborated with professor Susan Xu Tang to optimize SI sessions and target course concepts students struggled with
- Received multiple sun awards in this role, for exceptional teaching performance and lecture sessions