

Ryan Gosiaco

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EDUCATION **University of California**, Davis, CA (September 2015 - June 2019)
Bachelor of Science, Statistics
Concentration: Statistical Data Science
Relevant Coursework: Machine Learning, Applied Linear Algebra, Big Data and High Performance Statistical Computing

University of California, Davis, CA (September 2015 - June 2019)
Bachelor of Arts, Japanese

WORK EXPERIENCE **ASUCD Bike Barn**, Davis, CA (June 2016 - now)
Mechanic, Senior Mechanic, Service Manager, Head Mechanic
The ASUCD Bike Barn is an on-campus, student run bike shop. We take over 10,000 repairs a year which makes us one of the busiest bike shops in the nation.

- Interact with and serve at least 20 customers each shift
- Provide customer service and solutions to issues with repairs
- Have to manage and delegate tasks to at least 4 people on each shift
- Trained over 15 people about various bike repairs, problem solving strategies, and diagnosing issues
- Provided and implemented solutions and ideas on optimizing work flow and efficiency

SKILLS **Languages**
English (Native), Japanese (Conversational)
Programming Languages
Python, R, MATLAB, C, Java
Software Technologies
Supervised and Unsupervised Machine Learning (TensorFlow, Keras, and scikit-learn), Exploratory Data Analysis (pandas, numpy, seaborn)

PROJECTS **Determining Vacancy in Buildings via Machine Learning Methods**
Team Member, Programmer
Used and evaluated Logistic Regression, Random Forest Classifier, and Artificial Neural Networks to determine vacancy of buildings based on inputs such as CO2 levels, Wifi connections, energy demand.

- Performed preliminary feature analysis and gathering of data
- Evaluated and compared model performance based on ROC curve, PR curve and accuracy
- Determined what model to use for the best performance

Exploring Player Strategies in PUBG
Leader, Programmer
Explored a publicly available dataset to determine features and trends to discern the skill levels of players

- Leveraged a Random Forest Classifier to look for the most important features that contributed to winning the game
- Created thoughtful graphics using Matplotlib