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| **Antony Ross** |  | (818) 281-2200  antonyross2k@gmail.com  github.com/antonyross |

**EXPERIENCE**

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| **Data Analysis** | **Independent Consultant** | **January 2014 - Present** |

• Performed in-depth analysis of sports performance and physiological data for the Pac-12 athletic conference, extracting key patterns to drive improvements and aid in decision making

• Culled significant findings from diverse data sets through exploration, inference, and predictive modeling

• Created unique data visualizations and simulations, providing a clearer interpretation of the data

• Worked extensively with music and voice data, applying deep learning models

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| **Teaching Assistant** | **Fresno State University** | **Fall 2013** |

• Graduate Course: Human Computer Interaction; advised students’ app prototypes

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| **Founder** | **ATHEX, Inc.** | **August 2001 - September 2011** |

• Performed physiological analysis of clients (actors, athletes) and organized their training

(worked on the films “Jerry Maguire”, “The Matrix”, ” Analyze This”).

• Taught exercise physiology and strength and conditioning extension courses at UCLA.

• Led video production projects, working closely with clients. (managed projects for ExxonMobil, Burbank Police Department, Fresno State School of Education).

**EDUCATION**

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| **Fresno, CA** | **Fresno State University** | **Fall 2011 - Spring 2014** |

M.S. in Computer Science

Research Focus: Machine Learning, Computer Vision

Master’s Project: “Running Gait Recognition and Classification in Video with a Moving Camera”

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| **Los Angeles, CA** | **University of Southern California** | **Fall 1999 - Spring 2001** |

Ph.D. Candidate in Exercise Physiology

**PERSONAL PROJECTS**

**• Using temporal acoustic features to predict which songs will be liked among those recommended by Spotify (2017):** Data analysis, training ensembles and SVM. Scikit-learn, Pandas, Matplotlib

**• Predicting Who Will Get Drafted Based on Performance at the NFL Scouting Combines (2016):** Using Logistic Regression, SVM, and feature engineering. Scikit-learn, Pandas, Matplotlib

**• Running Gait Recognition (2015):** Learning the running gait of individuals from segmented Gait Energy Images in order to evaluate and classify each gait. Python, OpenCV, PCA, Numpy

**• Face Recognition (2014):** A system trained to recognize the face and nationality of origin of a test face using k-nearest neighbor classification.Python, EigenFace, PCA

**LANGUAGES AND TECHNOLOGIES**

• Python, SQL, Java

• NumPy, Pandas, Scikit-learn, Matplotlib, IPython/Jupyter, d3.js, Keras/Theano, OpenCV

• HTML, CSS, JavaScript