JohnMatthew Garcia

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EDUCATION

University of California Berkeley	**Fresno City College**
Bachelor in Data Science - BA	*Associate in Economics - AA*

COURSEWORK:
CS: Structure of Computer Programs • Data Structures and Algorithms • Introduction to Artificial Intelligence • Computer Security • Internet: Architecture and Protocols • Machine Learning
Statistics: • Foundations of Data Science • Techniques of Data Science • Probability for Data Science • Data Mining and Analytics • Data Engineering • Machine Learning and Data Analytics • Intro to Business Analytics

WORK EXPERIENCE

UC Berkeley – Berkeley IT   *Aug 2024 – Present · 9 mos*   Berkeley, California
Network Engineering Assistant

- **Performed** hands-on network support across campus by replacing switches, restoring WiFi, configuring ports and IP addresses, and troubleshooting connectivity issues. Utilized Python/Bash scripts, conducted preventive maintenance on equipment.

- **Collaborated** with HelpDesk, IST-NOS, and vendors to resolve technical issues and maintain documentation. Provided training and shadowing for new technicians, supporting team onboarding and reinforcing standard operating procedures.

UC Berkeley – D-Lab
Undergrad Technician   *Jan 2024 – Present · 1yr 4 mos*   Berkeley, California

- **Provided Cross-Disciplinary Services**: Delivered in-depth consulting, advising, and access to staff support for software or infrastructure needs at UC Berkeley's D-Lab. Assisted graduate students, faculty, and staff in advancing world-class research in data-intensive social sciences and humanities

PROJECTS

- **KeyQuest** is a 2D tile-based world exploration game built in Java, where players can explore and interact with their environment using customizable tiles and avatars. It features a random room generation algorithm and a near-sight functionality that adds a layer of challenge to exploration, making the gameplay more immersive and engaging.

- **WordNet and NGram Viewer** | Java, CSS, HTML • Developed a unique graph class in Java to store and manage over 80,000 words and 400,000 hyponym-hypernym relationships from WordNet, representing semantic relationships between synsets • Created an NGram Viewer that graphically displays user-selected words or phrases (ngrams) of up to 50,000 words, showing their occurrences in a corpus

TECHNICAL SKILLS

Languages: Python (Pandas, Scikit-learn, TensorFlow, PyTorch), SQL, Java,
Machine Learning: Regression, Classification, Clustering, Ensembles, Bayesian & Reinforcement Learning
Data Science: Data Wrangling, EDA, A/B Testing, Causal Inference
Software Engineering: DS&A, OOP, Debugging, Optimization, Version Control
Databases: PostgreSQL, MongoDB, Query Optimization, Data Modeling, ETL
Tools & Platforms: Git, Jupyter, Hadoop, Airflow, Spark, Docker, Tableau, PowerBI, Analytics Solver

ADDITIONAL EXPERIENCE

Austin Boom Real Estate
Licensed Real Estate Agent   *2008 – 2012 · 5 yrs*   Austin, Texas
10+ years of professional sales and customer service experience across real estate, automotive, and hospitality industries.