

# ANGELA LOMBARD

## Data Scientist and Statistical Analyst

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Irvine, CA | Lombarda1@UCI.edu | angela-lombard.github.io

### EDUCATION:

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#### University of California, Irvine

Masters in Data Science - Ambassador for the MDS Program | **December 2025**

Bachelor of Science in Mathematics with a Minor in Statistics - *Cum Laude* | **September 2019**

### TECHNICAL SKILLS

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- **Programming Languages & Tools:** Python, R, SQL (MySQL, PostgreSQL), JavaScript, Solidity
- **Data Analysis & Visualization:** Pandas, Scikit-learn, Tableau, Matplotlib, Jupyter Notebooks
- **Big Data & Cloud Tools:** Apache Spark, Hadoop, Flink, MongoDB, CouchDB, Cassandra
- **Software & Productivity:** Microsoft Excel, Word, Google Suite, Adobe Photoshop, Illustrator, Figma

### WORK EXPERIENCE

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#### Executive Design Group

##### *Data Analyst*

**September 2019 - Present**

- Increased Google PPC campaign effectiveness by optimizing SQL queries for enhanced PPC targeting.
- Utilized Google BigQuery and Looker Studio to visualize marketing data, leading to actionable insights for campaign performance improvements.

#### Bytes & Bots

##### *Associate Software Engineer/Lab Manager*

**June 2017 - Present**

- Taught programming (Python, JavaScript, C++) and robotics, developing STEM skills in K-12 students.
- Managed lab operations, coordinating with public school faculty and mentoring a team of teachers and students.
- Developed hands-on projects using Raspberry Pi, Arduino, and IoT devices, fostering hands-on learning and problem-solving, combining hardware and software.

#### UCI School of Biological Sciences

##### *NRS Nursery Technician*

**July 2019 - April 2020**

- Conducted t-tests to analyze dissolved oxygen % saturation, and temperature data across two 24-hour cycles in the San Joaquin Marsh.
- Collected and entered field data into Excel, supporting research on diel cycles and water quality variations in freshwater ecosystems.

### RESEARCH & PROJECTS

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#### University of California, Irvine

##### *Research Assistant - LLM and Education in CS Classes*

**July 2024 - Present**

- Investigating the impact of LLMs on student learning and personalized feedback in coding assignments.
- Collaborating with professors to integrate AI tools in CS classes, enhancing engagement and learning outcomes.

##### **Google Data Analytics Professional Certificate**

**September 2021**

Completed the capstone project encompassing: data cleaning, visualization/organization, analysis, SQL, R programming, Tableau, and Microsoft Excel.

##### **Chainlink Hackathon**

**November 2021**

Deployed an NFT project on the Ethereum Testnet. Programmed a smart contract that incorporated Chainlink VRF in order to ensure cryptographically secure randomness. Integrated Chainlink, Infura, Pinata and IPFS.