# Mason Counts
## Machine Learning Engineer

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## SUMMARY

Machine learning engineer with 10 plus years of experience in tech marketing, real estate, and skilled trades. Gained a unique global perspective from an International Business degree at OSU, complemented by a minor in Chinese Studies. Acquired cultural fluency and market insights through a study abroad program in Shanghai, China. Built a robust skill set in C and Python, mastering various data analytics tools with a specialization in machine learning and data engineering. Proficient in the complexities of neural networks, fortified by a deep understanding of the underlying mathematics and statistics. Utilizes strong communication skills, honed from years in customer-facing roles, to effectively translate complex technical concepts into accessible language. Driven to merge a deep-rooted enthusiasm for technology and science into a transformative and intellectually stimulating career in machine learning.

## SKILLS

- Programming Languages: Python, C, SQL
- Machine Learning Tools: Tensorflow, Keras, NumPy, Matplotlib, Jupyter notebooks, Google Colab
- Statistics and Mathematics: Statistics, Probability, Calculus, Linear Algebra
- Data Engineering: Data cleaning, Data modeling, Data preprocessing, Feature engineering, Feature selection
- Data Analysis and Visualization: MySQL, Technical Writing

## EDUCATION

### Machine Learning Engineering
Holberton School, Tulsa, OK, August 2022 - March 2024
- Studied machine learning, including foundational mathematics applied through python tools.

### Bachelor of Science in International Business (Minor: Chinese Studies)
Oklahoma State University, Stillwater, OK, 2011 - 2014
- Studied abroad at Fudan University in Shanghai, China.

### Associate Degree in Business Administration and Management
Tulsa Community College, Tulsa, OK, 2009 - 2011
- Studied abroad at Shanghai University of Finance and Economics.

## PROJECTS

### AirBnB Clone
- Developed a comprehensive, full-stack web application for an Airbnb clone integrating a MySQL database and a Flask RESTful API with a dynamic HTML/CSS/jQuery front-end.

### Death Farts: 4 Day Hack Sprint
- Developed a Python-based game using Pygame and NumPy, featuring a unique twist on the classic Flappy Bird game by incorporating AI, a leaderboard, Death riding a scythe propelled by his flatulence, and much more.
- Pair programmed with focus, addressing issues such as flatulence math including random angle, drift, and opacity.

## EXPERIENCE

### Brand Ambassador & Event Marketing Specialist
Various Brands and Events, Various Locations, 8+ years of experience
- Represented and served as a demonstrator for major tech brands like Sony, Samsung, and Google at high-profile events, including the Game Developers Conference (GDC) and South by Southwest (SXSW). Engaged with attendees through interactive product demonstrations and collected user feedback.

### Independent Contractor Assistant
Various Technical Contractors, Various Locations, 10+ years of experience
- Assisted in a variety of technical roles including HVAC technician, plumber, painter, etc.