

# **-Julia Bullard-**

## **Machine Learning Engineer**

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### **-Education-**

#### State University Of New York College At Oneonta, May 2012

- Bachelor of Science: Human Ecology • Concentration: Fashion Buying & Merchandising

#### Machine Learning Student at Holberton School, Aug. 29, 2022 - Present

- Diploma in Computer Science and Machine Learning
- Collaborated in a diverse, peer-driven learning environment, fostering teamwork and problem-solving skills.
- Successfully completed challenging projects that mirror real-world scenarios, demonstrating proficiency in programming languages and algorithms such as Bash, Python, Linear Regression, CNNs, Object Detection, among others.
- Gained practical experience in working within an agile development framework, applying industry-standard practices such as version control, code reviews, and continuous integration.

### **-Projects-**

#### Holberton School C19 Hack Sprint: Death Farts, April 20 - 24, 2023

- Excelled with fellow classmate Mason Counts to craft an epic successor to Flappy Bird using the pygame module in Python.
- Interpreted and tested on Ubuntu 20.04 using Python3, utilizing Pygame, NumPy, Neat-Python, Graphviz, and Matplotlib.
- Developed a dynamic game that features background changes at score increments of 14, enhancing user engagement.
- Creative genius for all imaging, text, and writing.
- <https://github.com/julia-5534/DF>

#### Holberton School C19 Machine Learning: Dimensionality Reduction, Sept. 15 - Sept. 27, 2023

- Implemented Principal Component Analysis (PCA), a dimensionality reduction technique.
- Interpreted and tested on Ubuntu 20.04 using Python3, utilizing NumPy and TensorFlow
- Reduced the dimensionality of high-dimensional data while retaining as much variance as possible.
- Represented the data using a smaller set of features and dimensions, saving storage space and computational resources.
- Captured the most variance in the data by focusing on the principal components, filtering out noise and less relevant information.
- Projected high-dimensional data into lower dimensions, making it easier to visualize and explore the data.
- [https://github.com/julia-5534/holbertonschool-machine\\_learning/unsupervised\\_learning/dimensionality\\_reduction](https://github.com/julia-5534/holbertonschool-machine_learning/unsupervised_learning/dimensionality_reduction)

#### Holberton School C19 Machine Learning: Optimization, June 16 - 21, 2023

- Built, trained, and saved a neural network model in TensorFlow.
- Interpreted and tested on Ubuntu 20.04 using Python3, utilizing NumPy.
- Utilized Adam optimization, RMSProp optimization, momentum optimization, batch gradient descent, learning rate decay, and batch normalization.
- [https://github.com/julia-5534/holbertonschool-machine\\_learning/supervised\\_learning/optimization](https://github.com/julia-5534/holbertonschool-machine_learning/supervised_learning/optimization)

#### Intern at Catskill Area Hospice & Palliative Care Thrift Shop & Boutique, Jan. 2012 – May 2012

- Spearheaded and managed an innovative internship program within a hospice thrift store, taking responsibility for all aspects of operation.
- Designed and curated engaging weekly window displays to attract new customers and drive business growth.
- Orchestrated the efficient organization, cataloging, and pricing of clothing and various merchandise to enhance store presentation and sales.
- Formulated comprehensive job descriptions for both current and prospective volunteers, enhancing the overall volunteer experience.
- Pioneered the strategic design of the store layout for its future relocation, optimizing space utilization and customer

flow.

- Acquired invaluable skills in organizational management, interpersonal communication, time management, and critical analysis.

## **-Experience-**

### Beertender/Kitchen Cook at Renaissance Brewing Company, April 2022 - June 30, 2022

- Enlightened and guided patrons in making informed choices regarding beer and food selections.
- Proficiently managed inventory, ensuring the availability of both alcoholic and non-alcoholic beverages, food ingredients, merchandise, and packaged products for sale, optimizing customer satisfaction.
- Creative behind Paul, the Limited Edition Mango Habanero Golden Ale.

### Lead Resource Consultant at Ideal Image, Feb. 2022 – April 2022

- Cultivated strong and lasting client relationships through effective phone and web communications, fostering trust and loyalty.
- Skillfully managed the scheduling and confirmation of consultation appointments.
- Demonstrated expertise in conveying treatment protocols, elucidating the associated benefits, features, and limitations to clients, enabling them to make well-informed decisions regarding their desired treatments.

### Interim Chief Marketing Officer at Ringmakers, Nov. 2021 – Jan. 2022

- Managed and advised on all digital and social media communications.
- Updated product listings on Etsy and ringmakers.com
- Closed first Etsy sale in over 2 years and increased Etsy traffic 300% YoY.
- Generated approximately \$10,000 in sales in less than two months.

### Server at Nola's Creole & Cocktail, Sept. 2019 – Oct. 2021

- Serviced clientele from various socio-economic backgrounds in a fast-paced, high volume, premium restaurant.
- Garnered repeat business by fostering and nurturing positive relationships with clients.
- Consistently provided exceptional customer service while working long, busy shifts.

### Warehouse Worker at GM Sales Co., Sept. 2018 – May 2020

- Performed material handling functions including receiving, processing, and staging of steel pipes and fittings.
- Operated forklifts and other heavy machinery to complete tasks as needed.
- Assisted customers and delivered orders when required.

### Center Lead Consultant at FedEx Office, April 2015 – Sept. 2018

- Successfully resolved escalated customer service issues by employing adept team-building and conflict resolution skills.
- Meticulously generated financial paperwork and reports, overseeing critical tasks such as daily sales tracking, close-outs, and bank deposits, contributing to the center's operational efficiency.
- Spearheaded digital imaging operations, managed scheduling, and efficiently coordinated the production process for print orders.

### Floor Manager at Abelina's Boutique, Aug. 2013 – July 2015

- Collaborated in the formulation and refinement of employment, store, and contractual policies.
- Orchestrated meticulous management of bridal and formal purchase contracts and associated documentation.
- Adeptly confirmed and optimized orders, skillfully negotiated pricing, and streamlined shipping schedules.

### Customer Service Representative at Chobani, Inc., June 2012 – June 2013

- Streamlined data analysis and input processes for purchase orders from business/corporate clients, enhancing efficiency and accuracy.
- Proactively researched and promptly resolved complex inquiries, ensuring optimal customer satisfaction.
- Distinguished as the primary liaison for Walmart brokers within the first six months of employment.