
November 25, 2023

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[[[]]] [[[]]] [[[]]]
Atlanta, GA, USA
Phone: 954-296-8027
Email: michaelrortega@pm.me

[Company]

To Whom It May Concern,

I am a passionate and highly motivated undergraduate student with a deep interest in applying machine learning and research. I have worked on several teams and projects since starting college, including a team developing low-cost supplements to detect Parkinson's Disease through machine learning and a research lab using automated computer vision methods to quantify behaviour in cichlid fish. I've worked with relatively large datasets, using tools like Pandas and NumPy to augment and visualise data. In my current research, I'm utilising deep learning frameworks for multi-animal pose estimation and using these estimations to learn about mating behaviours in cichlids, designing the ML pipeline end-to-end. Although I haven't taken coursework in ML yet, I will be taking three courses (Intro to AI, Machine Learning, and Deep Learning) in the Spring to supplement my knowledge; regardless, I believe that my passion and desire to learn will fill any gap.

Throughout college and high school, I have developed using Python and Java. In college, I have learnt the fundamentals of computer science through object-oriented programming and data structures and algorithms classes, earning an A letter grade in both. In my current semester, I am learning about applying OOP fundamentals to product design, including learning how to efficiently work with a team in a technical setting, test code, and meet requirements following agile development. I'm confident that my passion for and knowledge of CS and ML fundamentals will make this position a good fit for me.

Thank you in advance for your time and consideration.

Sincerely,

Michael Ortega
