4 February 2023

Dear Hiring Manager, University Recruiter, ASML,

I used to be under the delusion that entry-level Data Analyst SE internship positions are supposed to be on the same level having minimal to no impact. However, after reading the "What you'll do" section in this job description, something about being an ASMLer felt different and got me excited about the opportunity to contribute to the leaders in the semiconductor space!

What struck me the most was that ASML isn't expecting new graduates to have industry-level experience but only looking for a real innate passion to self-learn and believing in Growth as the only mantra. The value of "Collaboration is key" in driving the entire workforce to a unified mission is one I can stand with!

Since my undergrad years, I have always loved to work in teams, and the notion of putting the creators first is one I can get behind. My previous project, Divya Drishti, is aimed at helping Visually Impaired People with their daily mundane tasks, making them independent even in rural areas. This project allowed me to lead a team of 4 working with Python, Android, and Raspberry Pi and to hold interviews with members of the National Association for the Blind to get vital feedback from our intended user base.

Further, Interning the past 2 summers, I have developed robust data analysis, database management skills, and machine learning, along with my strong problem-solving skills, project management, and ability to work in teams, making me an ideal candidate to become part of "controlled chaos." In my previous internship at LeadingIndia.ai, I worked on a Vaccine Prediction model on the H1N1 and seasonal flu vaccines to accurately predict the trends of the public acceptance rate (41%) of the Covid-19 vaccine. My team and I were able to publish a research paper on the topic and wrote a blog showcasing the correlation between the two pandemics.

Additionally, during my Masters in CS at UCSD, as part of the Recommendation Systems course, I got familiar with the theory behind collaborative filtering and latent factor models concerning recommending and predicting user behaviors. I implemented this knowledge in the final thesis report of the course by deploying machine learning algorithms, including N-gram, Multinomial NB, and Linear SVC, analyzing user reviews and how likely they were trying to recommend a product.

I am confident that my skills and experience make me a strong candidate to be a team member at ASML, and I am eager to grow and develop while learning from the world-class leaders at ASML. Thank you for your time and consideration. I would appreciate the chance to discuss further my qualifications and how I can contribute to something that people worldwide get real value from! Please feel free to contact me at your convenience by email (jjhaveri@ucsd.edu) or by telephone (+1 858 214 9192).

Sincerely,

Jay Jhaveri