100 Institute Road Box # 1601
Worcester, MA 1609

February 9th, 2021

Google
1600 Amphitheatre Parkway
Mountain View, CA 9043

To whom it may concern,

I am Bryson Tang, a senior at Worcester Polytechnic Institute graduating in May 2021, and I am majoring in Data Science with a minor in Mathematical Sciences. Working at Google has always been a dream of mine that has seemed unimaginable. I am beyond thrilled that this unbelievable opportunity has presented itself to me; an opportunity I feel fully prepared to pursue. Freshman year of college my roommate got an internship at Google; I was in awe to just know someone who worked there, but now to have the opportunity staring me right in the face is one of the most amazing feelings in the world.

Ever since I was in middle school, I have had a curiosity about logic that consumes me and drives me to new heights. I remember trying to wrap my head around object oriented programming at the age of 12 years old. In highschool, I wanted to create a maze solver that did not rely on search algorithms. As it flailed helplessly around the maze, I remember people asking me why I did not just teach it a search algorithm to which I responded, I wanted to allow it to make its own decisions. During my junior year of high school, I had an internship at Biscom where I learned how to write SQL and visualize the response. For my senior project, I was given my high schools enrollment data to understand the trends from the sending towns. As I did not know of linear regressions at the time, I used the idea of a Taylor Series to predict the next value in a time series. Bringing my results to the school administration, it aligned with their predictions and models.

The summer leading up to college, I had a software engineering internship at CyberSN. It was my first time working on a development team and I now understand why it is so important to write clean and concise code. In the latter half of my college career, I took many data science classes with group projects that involved data mining, model development, and decision making. The summer after my junior year, I worked for WPI as a research intern to curate and architect a dataset involving COVID-19. It included weather data, cases data, demographic data, and travel data for counties in the US and countries around the world. Over this past winter break, I did contract work for Agency Leads that involved NLP to increase the productivity of the Lead Geniuses through predictive models. For my final semester, I decided to challenge myself and take a master's level course, Big Data Analytics, which involves sampling large datasets, meta-learning, attack adversarial networks, and other deep learning techniques. In my limited free time, I enjoy competitively solving the Rubik's cube and even have a personal best of 9.81 seconds. I recently have combined my two loves and undertaken a reinforcement learning project to have a deep neural network solve the cube. This project has been very fulfilling for me and I have spent many nights up until 4 a.m. working on the code base.

I have always respected Google because the company has been at the forefront of innovation and has allowed the world to join them through open-source projects. The fast paced cutting edge culture is an environment that excites me. Receiving the FooBar challenge has been a dream of mine, and writing this cover letter has been surreal. This application process will always be a memory I hold dear. Please feel free to reach out to me to further discuss my qualifications. Thank you for your time and consideration, I look forward to hearing back!

With excitement,
Bryson Tang