phone: 303.900.2861 **Johnathan Chivington** email: j.chivington@bellevuecollege.edu
web: chivingtoninc.com linkedin: linkedin.com/in/johnathan-chivington github: github.com/chivingtoninc

Dear Mr. Balton,

I am a Computer Science student who is experienced with object-oriented, algorithmic software design in C, Python, Java and Javascript. I have a passion for applying Deep Learning models to difficult problems in industrial environments like in manufacturing and transportation.

I feel as though my passions and qualifications align well with those outlined in the Advanced Driver Assistance Systems (ADAS) Engineering Intern position description for the following reasons:

- I have a strong passion for developing Computer Vision, Natural Language Processing and Simultaneous Localization and Mapping models to excel against difficult industrial challenges.
- I have completed additional certificate courses in Machine Learning & Deep Learning, in which I have had the opportunity to build classification, detection and other static models, as well as time-series models like recurrent networks.
- Having a long-term goal of furthering the theory underlying Deep Learning models, I have focused specifically on taking the time to understand these models at the most fundamental levels without the aid of frameworks like Keras and Tensorflow. This includes utilization of more advanced techniques, such as RMSProp, Adam Optimization and Batch Normalization.
- I have a significant background in the supporting skills and technologies needed to create powerful deep learning products. For example, using embedded programming and circuit analysis skills to create a wireless, embedded, AI-based IoT product; and then giving that device a socket to stream data to/from a cloud platform to extend/enhance its capabilities, or to stream data from the field to a database for later use/analysis.

Deep Learning is revolutionizing many industries and I am learning to leverage it's incredible capabilities for enhancing daily life. Working alongside others who are as passionate as I am about bringing meaningful AI technologies to life would be an incredible experience for me personally, as well as a welcome opportunity to continue developing my skills.

Thank you for your time and consideration. I look forward to speaking with you soon.

Sincerely,

Johnathan T. Chivington