Dear CBRE recruitment team,

I found your job posting for Software Engineer Intern and would be enthralled to have a chance to work with CBRE Martin. I am applying for this job because the job listing described machine learning and big data, which I am pursuing a career in.

Most of my projects that I take most pride in were done in C++ and C. For C, my favorite project involved using two tools called Bison and Flex, a parser generator and a lexical analyzer respectively. With these two tools, I created a program that parsed a high-level address format and compiled it down to XML style code. I loved this project because of how many tools I got to get familiar with such as GNU’s Make, Flex, Bison and compiler.

In C++, my favorite project involved creating a file monitor that would check a folder and create backups of the files inside of it, while also logging information of when it was changed. I did this using a tool in C++ called Inotify to monitor the files and using the built-in fork function to create a daemon process. Generally, this program had to read a configuration file, parse the command line, fork a daemon process and then monitor a folder. This project helped me develop my first understanding of how processes worked, and the usefulness of forking processes.

I would be very excited to have a chance to work with CBRE, and would love to follow up later. I can be contacted at my email and my phone number. Thank you for reading this far and I wish you the best!

Sincerely,

Daniel Crawford