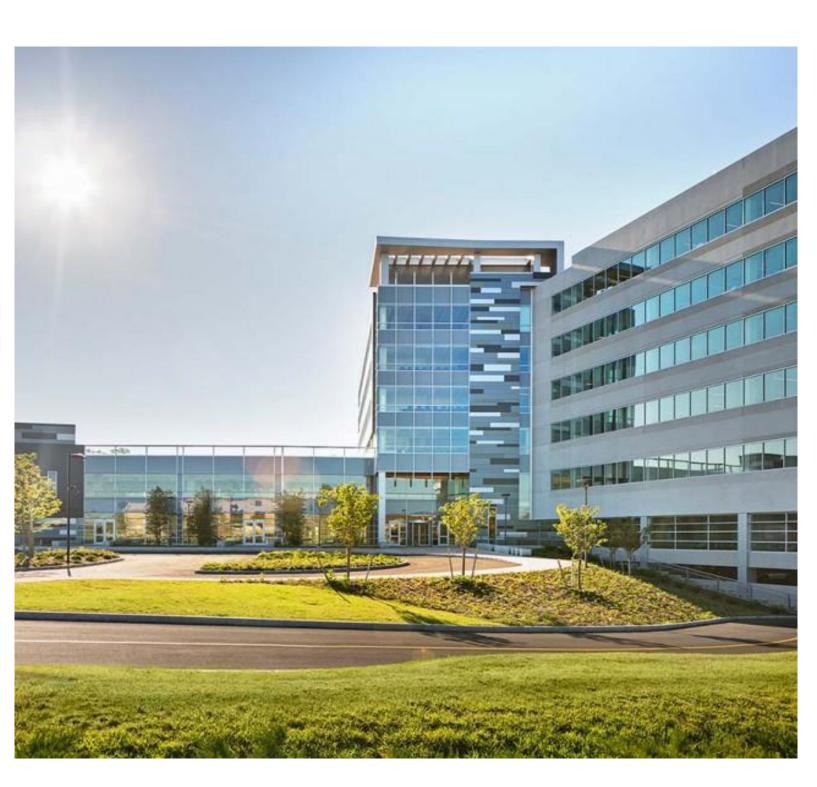# Keurig Dr Pepper (KDRP)

Software Co-op

2022 Computer Science Student's 1st Co-op

About the Company:
-Keurig Dr Pepper is a Fortune 500 company specializing in beverages and associated appliances.
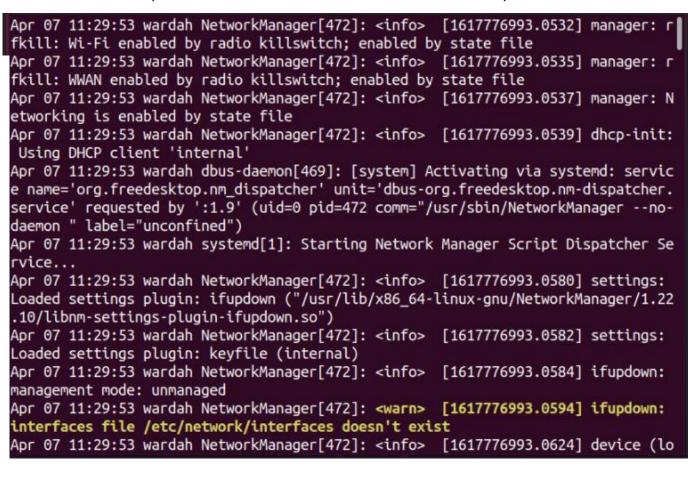-Below is a picture of the Burlington, MA headquarters. It's a new campus that features an extensive R&D Lab.

A Final Reflection:
This was my first co-op, and my experience was absolutely stellar. I felt like I was really integrated into the team and was given meaningful work to do. I gained a fantastic foundation that I will continue to grow off, and I am grateful for the excellent and brilliant people I've worked with.

Co-op Description:
-Worked on the Keurig side of the company focusing on commercial brewers
-Worked on the Gemstone platform for the new K4500 brewer (~200k lines of code)

What I learned (where to start…):
-The Agile Framework
-Bash scripting
-ssh
-MQTT
-JSONs
-Azure
-What a large, multi-purpose code base looks like
-What it means to work in a cross-functional team
-How to communicate effectively (this was huge)
-Greatly increased fluency in Linux & C++

Job Responsibilities:
-Wrote a comprehensive wiki that streamlines the onboarding process for future co-ops

-Overhauled their logging capabilities:
-We now pull info about disk, memory, snap information, and the journal log
-Keeps a self-regulated running history of all .run file executions
-Sticks all this info into a tar package
-Has cloud support so we can get this package on request
-Has .run file support so we can get this file via a usb stick

-Wrote scripts that streamline the process of adding new lid images to our codebase

-Addressed critical bugs

-Added framework for our switch to a new HMI board due to supply issues

-Onboarded a full-time SW engineer

-And so, so much more