This report is a summary of my work under the CMU Undergraduate Internships Program at Carnegie Mellon University – Silicon Valley (CMU SV) hosted by Professor Hakan Erdogmus in the Electrical and Computer Engineering group from February to May 2016. Additionally, I provide insights about my life at Silicon Valley.

The goal of my internship was to develop a research vision on Continuous Integration started by Rui Abreu (my host at Faculty of Engineering, University of Porto), Hakan Erdogmus (my host at CMU SV) and Alexandre Perez named CodeAware. Upon my arrival the scope of the project was discussed and then the development of a CodeAware prototype started. This new research vision consists on moving Continuous Integration from a centralized approach to a distributed one giving developers the choice to choose what they want to focus on.

For the prototype I developed an IntelliJ Idea plugin that allows developers to specify their focus and a Jenkins plugin that makes the developers specified behavior work in the Continuous Integration server. During my stay at CMU I finished the development and now we intend to publish a paper describing the vision and how we made it work with the prototype I developed.

My life at Silicon Valley was amazing, I met amazing people and I am sure I made friends for life. Today, I know I was lucky to not afford a place to myself. I lived in a house with eight constantly changing people. I could learn another cultures with them and be part of the Silicon Valley entrepreneurial environment.

This was one of the best experiences of my life and I would recommend it to everyone. I already miss it.