Background

This summer, I was a Software Engineering Intern at Google in Mountain View. I started on June 23 and ended my internship on September 19 for a grand total of 13 weeks. I worked on the Local Search UI team which creates UIs for local search related queries in Google web search. These include queries for businesses, directions, addresses, and many others. The UIs consist of cards that show up in addition to the web search results and contain information relevant to the search such as details about the business or turn by turn steps for a directions query.

Connection to UCSD

The main technologies I used during my internship include Java, HTML, CSS, and JavaScript. I have used all of these in my courses at UCSD in addition to prior internships, so I had a lot of experience with the basics of these languages going in. However, the work I did was not always straightforward since I was working on Google’s search infrastructure and faced problems of scale in addition to testing and debugging.

My day to day work mostly drew from my learnings in my introductory classes while preparation for my full time conversion interviews involved higher level concepts that I learned in my advanced classes. Specific classes which were particularly of use to me included:
• CSE 110: Software Engineering
• COGS 120: Human Computer Interaction
• COGS 121: Human Computer Interaction Studio

The team aspect of these classes in addition to the experience I gained from working on web applications were vital to my success at Google and at other internships.