Introduction:

My name is Craig Ricker and I currently live in the Bay Area. I graduated from UCSD in 2012 with a bachelors degree in biology, and have worked in biotech ever since. I began attending OSU in order to switch career paths – at a biotech company, while it is the bio workers themselves that produce the product, they are the lowest paid and lower appreciated work force. At a biotech company with a comparable education and experience level, you can make more money in any other department. I began to use code (Python and R) to automate my tasks at work, and to fill in the down time at work. I started taking classes at UCSD, and ultimately found it too difficult to get the classes I needed as an extension student. I found this program and it met my needs of only taking CS classes, being online, and being incredibly affordable (all things considered) I I met my wife while she was obtaining her PhD from UCSD in machine learning. She currently works for Amazon, and seeing how well she is taken care of by her company has been a driving force behind my career change. Our daughter Madeline was born May 15th, 2018 seven days before my CS271 final last semester, so that was especially hectic. She has grown 3.5 inches in six weeks, and is an incredibly busy baby. I enjoy riding my bike, home brewing beer, and photography. I frequently escape to the foothills or Tahoe, where I grew up. I am excited for this class, but apprehensive about all the required group work. I have been working professionally for ~8 years, so I understand the importance of working well as a team. However, in my experience, forcing students who have incredibly different schedules to work together can be difficult. With the new baby, the time I can dedicate to this class is sporadic so hopefully I don't let my group down.

Programing Experience:

I have used the following languages: VBA, Python, C, C++, C#, Swift, R, SAS

I have used the following IDE and other tools: Django, Eclipse, XCode, PyCharm, Spyder, Atom, Visual Studio, commandline

I have been programming for around 3 years, and have taken ½ the classes required for my degree. CS261 is the only lower div class I need currently. I have taken a very similar class at UCSD, but that did not transfer directly. I have taken several bio/bioinformatics specific coding classes as well

```
The area is 24.00000!
Program ended with exit code: 0
```

```
[flip3 ~ 153% cd OSU_CS261/
[flip3 ~/OSU_CS261 154% cd week1/
[flip3 ~/OSU_CS261/week1 155% gcc -Wall -std=c99 -o triangle project0.c
/tmp/ccZRQsxu.o: In function `herons':
project0.c:(.text+0x6c): undefined reference to `sqrt'
collect2: error: ld returned 1 exit status
[flip3 ~/OSU_CS261/week1 156% gcc -Wall -std=c99 -o triangle -lm project0.c
[flip3 ~/OSU_CS261/week1 157% ls
project0.c   triangle
[flip3 ~/OSU_CS261/week1 158% triangle
The area is 24.00000!
flip3 ~/OSU_CS261/week1 159% ▯
```

```c
1   #include <stdio.h>
2   #include <math.h>
3
4   float herons(float a, float b, float c) {
5       float area;
6       float s;
7       s = (a+b+c)/2;
8       area = sqrt(s *(s-a)*(s-b)*(s-c));
9       return area;
10  }
11
12  int main(int argc, const char * argv[]) {
13      // insert code here...
14      float area = herons(4,13,15);
15      printf("The area is %.5f!\n", area);
16      return 0;
17  }
18
19
```