

Virginia Tech

Project 3

Proposal

Michael Russak and Omer Cem Sevim

ECE 2524

Dr. Sook Shin Ha

11 November, 2020

Github URLs:

Michael Russak: <https://github.com/michaelrussak>

Omer Cem Sevim: <https://github.com/omercemsevim>

Project Repository: https://github.com/michaelrussak/ece_2524_project3.git

Project Idea:

When considering what to develop for Project 3 Omer and I considered a wide variety of ideas. While talking through these ideas we decided to create something that would be useful to our lives. Omer and I live active and healthy lifestyles, and part of that is maintaining a fairly strict and rigorous diet, tracking intake of calories, protein, carbohydrates, and fats. Currently to track what I am eating in a day I have to manually enter what I've eaten into excel, where some math is done to calculate my totals for the day. That being said, our goal for this project is to develop a front end using PyQt where you can enter the amount of food you've eaten in a meal. The back end will then process the amount of food, determine the amount of calories, protein, carbohydrates, and fats, and export this data to Excel, where it will be nicely formatted and easy to view. We would also like to be able to track our weight, and if we worked out or not for the day.

Group Member Names:

Michael J Russak

Omer Cem Sevim