Statement of Purpose

We (Darren Zhang, Robbie Marcus) will be replicating a somewhat-recent research paper in spectral mating, as it pertains to performing soft image segmentation (e.g., the `Zoom` feature that enables users to generically blur the backgrounds.) The basis of our replication will be translating the source material from a mix of `matlab` and `cpp` to `python`.

Our GitHub repository is located at:

`https://github.com/rob-marcus/21344_term_project`

The research paper we are using can be found in our repository under `ref_materials/Spectral mating.pdf`.