Why?

- Selfie shows, from first principles, how a minimal but still realistic hardware and software stack works.

- Anyone understanding elementary arithmetic and Boolean logic may be able to follow!

- The goal is to see and understand how the semantics of programming languages and the concurrent execution of programs is constructed using nothing but bits.

- The self-referential nature of the construction is an important part of selfie. Seeing how to resolve it establishes a well-founded understanding of basic computer science principles.

How?

- We use the selfie code to explain everything. Students will need to read, understand, and modify the code to follow the course.

- Instead of copying code here we provide clickable links to actual selfie code snippets on github.com

- Standard terminology is introduced with clickable links to wikipedia.org

Why?

- Selfie shows, from first principles, how a minimal but still realistic hardware and software stack works.

- Anyone understanding elementary arithmetic and Boolean logic may be able to follow!

- The goal is to see and understand how the semantics of programming languages and the concurrent execution of programs is constructed using nothing but bits.

- The self-referential nature of the construction is an important part of selfie. Seeing how to resolve it establishes a well-founded understanding of basic computer science principles.