AI Image Recognition Honors Project Timeline

**Week 1 – January 10th**

Schedule Introduction

**Week 2 – January 17th**

Chapter 1: “Introducing Neural Networks”, Chapter 2: “Coding Our First Neurons”, Chapter 3: “Adding Layers”, and Chapter 4: “Activation Functions” (97 Pages).

**Week 3 – January 24th**

Chapter 5: “Calculating Network Error with Loss”, Chapter 6: “Introducing Optimization”, Chapter 7: “Derivatives”, and Chapter 8 “Gradients, Partial Derivatives, and the Chain Rule” (67 Pages)

**Week 4 – January 31st**

Chapter 9: “Backpropagation”, Chapter 10: “Optimizers”, Chapter 11: “Testing with Out-of-Sample Data”, Chapter 12: “Validation Data”, and Chapter 13: “Training Dataset” (143 Pages)

**Week 5 – February 7th**

Planning Form Due February 9th

Python Program: Deliverables 1 through 3 due

**Week 6 – February 14th**

Python Program: Deliverables 4 and 5 due

**Week 7 – February 21st**

Python Program: Deliverables 6 through 8 due

**Week 8 – February 28th**

Midterm Report Due March 1st

Python Program: Deliverables 9 through 11 due

Start gathering information for the poster and paper

**Week 9 – March 13th**

Python Program: All deliverables complete

Continue gathering information for the poster and paper

**Week 10 – March 20th**

Check first draft of the poster

**Week 11 – March 27th**

First Draft of Poster Due March 25th

Start writing the paper

Start research about positive and negative effects of AI from the Christian worldview and materialism worldview

**Week 12 – April 3rd**

Make the final draft of the poster

Continue writing the paper

Start working on the presentation

Continue research about positive and negative effects of AI from the Christian worldview and materialism worldview

**Week 13 – April 10th**

Final Draft of Poster Due April 9th

Send Invitations April 9th

Finalize writing the paper

Finish working on the presentation

Finalize research about positive and negative effects of AI from the Christian worldview and materialism worldview

**Week 14 – April 17th**

Check over the final information gathered for the presentation

**Week 15 – April 24th**

Presentation during Works of Our Hands Week April 22nd-26th

Email Final Paper to Peggy for Library Archive May 3rd