

Self Driving Car Engineer Nanodegree

Weekly Outline

	Week #	Material to Cover
Term 1	First Day	<ul style="list-style-type: none"> Welcome Join Slack and Forums Career Lessons/Projects are optional
	Week 1	<ul style="list-style-type: none"> Computer Vision Fundamentals
	Week 1	Project 1: Finding Lane Lines
	Week 2	<ul style="list-style-type: none"> Intro to Neural Networks
	Week 3	<ul style="list-style-type: none"> Mini Flow Intro to TensorFlow
	Week 4	<ul style="list-style-type: none"> Deep Neural Networks Convolutional Neural Networks
	Week 5	<ul style="list-style-type: none"> LeNet for Traffic Signs Work on project
	Week 6	Project 2: Traffic Sign Classifier
	Week 7	<ul style="list-style-type: none"> Keras Transfer Learning
	Week 8	<ul style="list-style-type: none"> Work on project
	Week 9	Project 3: Behavioral Cloning
	Week 10	<ul style="list-style-type: none"> Advanced Techniques for Lane Finding
	Week 11	Project 4: Advanced Lane Finding
	Week 12	<ul style="list-style-type: none"> Machine Learning and Stanley Support Vector Machines Decision Trees Object Detection
	Week 13	Project 5: Vehicle Detection and Tracking
	Week 14	<ul style="list-style-type: none"> Finish outstanding projects or lessons
	End of Term	
	Term Break	Careers Lessons: <ul style="list-style-type: none"> Research Your Career Options Networking Github and Collaboration