Index

- Perl
- PHP
- Python
- QB64
- R
- RethinkDB
- Ruby
- Sails.js
- Scala
- Software Engineering
- SQL
- Swift
    - Vapor
- Theory
- TypeScript
- Verilog / VHDL / SystemVerilog
- Web Development

Algorithms & Data Structures

- Berkeley University CS 61B: Data Structures
- IIT Bombay Foundation of Data Structures (CS213.1x)
- MIT's Design and Analysis of Algorithms (Spring 2012) - Dana Moshkovitz, Bruce Tidor
- MIT's Design and Analysis of Algorithms (Spring 2015) - Erik Demaine, Srini Devadas, Nancy Lynch
- MIT's Introduction to Algorithms (SMA 5503) (Fall 2005) - Charles Leiserson, Erik Demaine
- Princeton University Algorithms, Part 1
- Princeton University Algorithms, Part 2
- Stanford University Algorithms: Design and Analysis, Part 1
- Stanford University Algorithms: Design and Analysis, Part 2

Assembly

- Introduction To Reverse Engineering Software
- Introductory Intel x86: Architecture, Assembly, Applications, & Alliteration

Android

- Android Developer Fundamentals (Version 2) — Codelab

- Android Developer Fundamentals (Version 2) — Concepts
- Learn how to program: Android - Epicodus Inc.
- Material design
- Programming Cloud Services for Android Handheld Systems
- Programming Mobile Applications for Android Handheld Systems pt. 1
- Programming Mobile Applications for Android Handheld Systems pt. 2
- Programming Mobile Services for Android Handheld Systems: Communication
- Programming Mobile Services for Android Handheld Systems: Concurrency
- Udacity Android Basics: Data Storage
- Udacity Android Basics: Multiscreen Apps
- Udacity Android Basics: Networking
- Udacity Android Basics: User Input
- Udacity Android Basics: User Interface

Angular

- Angular Fast Crash Course - Edwin Diaz, Coding Faculty Solutions (Udemy)

Bash / Shell

- Bento Shell Track (Bento)
- Shell Scripting Tutorial

C

- C Programming Tutorial
- Introduction to Computer Science
- The Arduino Platform and C Programming

C Sharp

- C# 101 - Scott Hanselman, Kendra Havens Microsoft.
- Learn how to program: C# - Epicodus Inc.

C++

- C++ Tutorial
- Google's C++ Course
- Introduction to C++ (MIT's opencourseware)
- LearnCpp.com C++ Tutorial

- Microsoft edX Courses:
    - Advanced C++
    - Intermediate C++
    - Introduction to C++

Clojure

- Functional Programming with Clojure

Compilers

- Stanford's Compilers

Cuda

- Intro to Parallel Programming Using CUDA to Harness the Power of GPUs (Udacity)

Data Science

- Advanced Data Mining with Weka MOOC
- Data Mining with Weka MOOC
- Introduction to Python for Data Science
- More Data Mining with Weka MOOC
- The Analytics Edge

Databases

- Database Systems (MIT's opencourseware)
- Introduction to Databases (Stanford University)

Deep Learning

- Convolutional Neural Networks for Visual Recognition
- Deep Learning for Natural Language Processing
- MIT 6.S094: Deep Learning for Self-Driving Cars
- Practical Deep Learning For Coders taught - Jeremy Howard
- Practical Deep Learning for Coders, v3 (using fastai library)
- Self-Paced Courses for Deep Learning
- Unsupervised Feature Learning and Deep Learning
- What is Deep Learning (Udacity)

Git

- Bento Git Learning Track (Bento)
- Bento GitHub Learning Track (Bento)
- Git and GitHub for Poets
- GitHowTo
- How to Use Git and GitHub (Udacity)

Go

- A Tour Of Go
- Go Tutorial

Haskell

- C9 : Functional Programming Fundamentals - Erik Meijer
- CIS 194: Introduction to Haskell - Brent Yorgey
- CS240h: Functional Systems in Haskell - Bryan O'Sullivan
- edX: Introduction to Functional Programming - Erik Meijer
- RWTH Aachen University: Functional Programming - Jürgen Giesl

HTML / CSS

- Bento CSS Learning Track (Bento)
- Bento HTML Learning Track (Bento)
- Build a Personal Website with Dash
- Build a responsive website with Webflow
- Build a SaaS landing page using Skeleton
- Build Dynamic Websites
- Code Your First Game: Arcade Classic in JavaScript on Canvas - Chris DeLeon (Udemy)
- CSS Flexbox - Mastering the Basics - Vishwas Gopinath (Udemy)
- CSS Tutorial
- Flexbox in 30 Days - Samantha Ming
- HTML Tutorial
- Learn how to program: CSS - Epicodus Inc.
- Learn HTML5 Programming From Scratch

iOS

- AppCoda Complete iOS Tutorial
- Developing iOS 11 Apps with Swift
- Ray Wenderlich iOS Tutorial

Java

- Central Connecticut State University, Introduction to CS Using Java
- Introduction to Java

- Java for Complete Beginners
- Java for Mobile Devices - Introducing Codename One
- Learn how to program: Java - Epicodus Inc.
- Object-Oriented programming with Java, part I
- Object-Oriented programming with Java, part II
- Princeton Algorithms, Part 1
- Princeton Algorithms, Part 2
- Problem Solving With Java (Udacity)
- Spring 5 Core - An Ultimate Guide - Somnath Musib (Udemy)

JavaScript

- Bento JavaScript Learning Track (Bento)
- Egghead.io
- Intro to JavaScript ES6 programming
- Javascript Essentials - Lawrence Turton (Udemy)
- Learn how to program: JavaScript - Epicodus Inc.
- learn:query

Angular.js

- Angular.js Youtube Channel
- CodeCademy Angular
- egghead.io youtube channel: Learn AngularJS with Tutorial Videos & Training
- Shaping up with Angular.js

GraphQL

- The Road to GraphQL The Bare Essential Package

jQuery

- Bento jQuery Track (Bento)

React

- Start Using React to Build Web Applications
- The Road to learn React.js The Bare Essentials Packaage

Redux

- Getting Started with Redux

Sails.Js

- Develop web apps in Node.js and Sails.js

Linux

- Ubuntu Web Development Setup - Ciprian Munteanu (Udemy)

Lua

- Lua Interactive Crash Course
- Lua Tutorial

Machine Learning

- Google's Machine Learning Crash Course
- Intro to Machine Learning Udacity (Udacity)
- Machine Learning Mini Bootcamp
- Pattern Recognition and Machine Learning
- Principles of Machine Learning By Microsoft
- PyTorch tutorials by PyTorch.org
- Stanford University Machine Learning

MATLAB

- MIT 18.S997 Introduction to MATLAB Programming

Mercurial

- Hg Init: a Mercurial Tutorial - Joel Spolsky

Misc

- Advanced Data Structures
- Algorithm Design and Implementation
- Aml-2018 Ambient Intelligence (F. Corno - L. De Russis - A. Monge Roffarello)
- Berkeley's CS 61B: Data Structures
- Berkeley's CS 162: Operating Systems and Systems Programming
- Berkeley's CS 169: Software Engineering
- Berkeley's CS 194: What is an Operating System?
- Bits: The Computer Science of Digital Information

- Caltech's Learning From data
- Computer Graphics
- Elements of AI
- Embedded Software Safety (P. Koopman)
- FindLectures.com - Index of conference talks by language / topic
- LouvainX Paradigms of Computer Programming – Abstraction and Concurrency
- LouvainX Paradigms of Computer Programming – Fundamentals
- MIT 6.S099: Artificial General Intelligence
- MIT Numerical Methods (2014)
- MIT's Artificial Intelligence
- MIT's Computer Language Engineering
- MIT's Introduction to Algorithms
- MIT's Mathematics for Computer Science
- Principles of Reactive Programming
- Robotics I - (A. De Luca)
- Stanford Cryptography I
- Stanford Cryptography II
- Stanford SEE 229 - Machine Learning

.NET

- Learn how to program: .NET - Epicodus Inc.

OCaml

- Cornell's Data Structures and Functional Programming
- Introduction to Functional Programming in OCaml

Perl

- Perl Tutorial

PHP

- Laravel 5.8 Tutorial From Scratch - Coder's Tape (2019)
- Learn how to program: PHP - Epicodus Inc.
- PHP & MySQL Tutorial - The Bad Tutorials (2015)
- PHP Programming Language Tutorial - Full Course - freeCodeCamp.org (2018)

Python

- An Introduction to Interactive Programming in Python (Part 1) (Coursera)
- An Introduction to Interactive Programming in Python (Part 2)

(Coursera)
- Bento Python Learning Track (Bento)
- Berkeley's Structure and Interpretation of Computer Programs
- Codesdope
- Google's Python Course
- Introduction to Computer Science and Programming (MIT's opencourseware)
- Introduction to Python(Microsoft Docs)
- Introduction to Python Programming (Udacity)
- Learn Python
- Learn Python - Free Interactive Python Tutorial
- Learn Python From Scratch - MD. Hasanur Rahaman Hasib (Udemy)
- Learn to program in Python
- Learn to Program: The Fundamentals (Coursera)
- Learn to Program Using Python (edX)
- Programming for Everybody
- Programming Foundations with Python (Udacity)
- Python Course
- Python Programming Tutorial

QB64

- Game Programming with QB64 - Terry Ritchie

R

- R Programming

RethinkDB

- RethinkDB: Distributed Databases

Ruby

- Learn how to program: Ruby - Epicodus Inc.
- RubyMonk - Interactive Ruby tutorials

Scala

- Functional Programming Principles in Scala
- Principles of Reactive Programming

Software Engineering

- Advanced Software Construction in Java

- Agile Development Using Ruby on Rails - Advanced
- Agile Development Using Ruby on Rails - Basics
- Software Construction in Java

SQL

- SQL Tutorial

Swift

- How To Make An App For Beginners (iOS/Swift - 2019) - Chris Ching (Udemy)
- Swiftris - Build an iOS Tetris app from scratch

Vapor

- Vapor University

Theory

- Automata Theory
- Intro to Theoretical Computer Science (Udacity)

TypeScript

- Introduction to TypeScript - Daniel Stern (Udemy)
- TypeScript Fast Crash Course - Edwin Diaz, Coding Faculty Solutions (Udemy)

Verilog / VHDL / SystemVerilog

- SOC Verification Using SystemVerilog
- SystemVerilog - Learn basics of SystemVerilog for Hardware Verification
- SystemVerilog based UVM Methodology - Learn to build UVM based Testbenches in SystemVerilog

Web Development

- Discover Flask - Full Stack Web Development with Flask
- Flask(A Python Microframework) Tutorial
- Free Code Camp
- Python Web Scraping & Crawling using Scrapy
- The Odin Project - Learn Web Development for Free

- Web Information Retrieval - L. Becchetti, A. Vitaletti (University of Sapienza Rome)