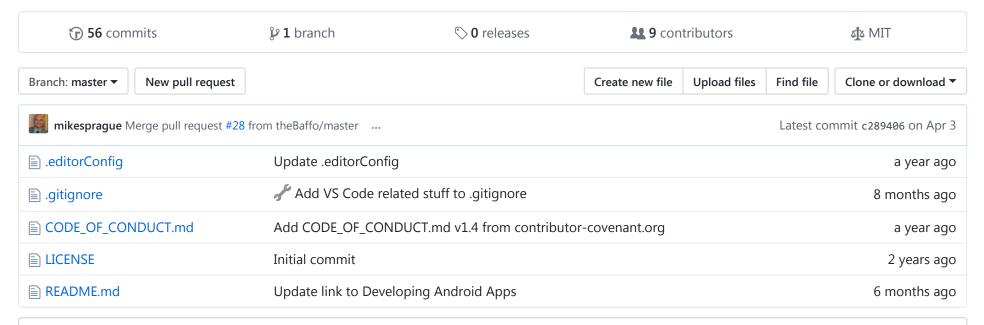
mikesprague / udacity-nanodegrees

"List of Udacity Nanodegree programs with links to the free courses in their curricula

#udacity #nanodegree #nanodegree-programs #learning #education #never-stop-learning #udacity-nanodegree



README.md

Udacity Nanodegrees

Udacity offers some great content in their Nanodegree programs. If you don't have the money, and/or just don't want to pay for them, you can take many of the courses for free.

While it's no substitute for the actual Nanodegree programs (which include project reviews, additional student and career quidance, and a job quarantee) there is some great content available for learning.

NOTE: I have NO affiliation with Udacity

Why are only some of the Nanodegrees listed here?

The focus of this project has always been making learning accessible. As such, I've chosen to only only list Nanodegrees with free content. All of the Nanodegrees programs listed here meet the following criteria:

- Nanodegree lists syllabus on it's public-facing (non-logged in) page
- Links to each course in the syllabus are available on the public-facing Nanodegree page
- Individual courses are available to take for free via their public facing course page

Lately, as Udacity adds more and more great (and relevent) programs, the newer Nanodegrees haven't been listing the courses and/or linking to them and this list hasn't been updated as frequently.

What about pull requests, I'd like to contribute?

Awesome! As long as your PR meets the same 3 criteria in the last section.

I am aware that some of the listed Nanodegrees offer a different/newer syllabus to their paid students. I'm still deciding how I want to handle that here. If you've had a PR closed because of this, I will contact you directly.

Are you really taking donations? You're barely even updating this anymore!?!

Yeah, yeah. I hear ya. When I first created this project there were no links to donate. They were only added after receiving a surprising amount of requests from very kind people who found the project useful and asked for them.

- Bitcoin Wallet Address: 1375JTEBo1AFEsK2HUh17jth3KqPqJPSxC
- PayPal/Credit/Debit: https://www.paypal.me/mikesprague

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Front-End Web Developer Nanodegree

Master the skills required to become a Front-End Web Developer, and start building beautiful, responsive websites optimized for mobile and desktop performance.

Learn the fundamentals of how the web works and gain a working knowledge of the three foundational languages that power each and every website: HTML, CSS and JavaScript.

- 1. Intro to HTML and CSS
- 2. Responsive Web Design Fundamentals
- 3. Responsive Images
- 4. JavaScript Basics
- 5. Intro to jQuery
- 6. Object-Oriented JavaScript
- 7. HTML5 Canvas
- 8. Website Performance Optimization
- 9. Browser Rendering Optimization

- 10. Intro to AJAX
- 11. JavaScript Design Patterns
- 12. JavaScript Testing

Senior Web Developer Nanodegree

No longer listed on Udacity

This program begins where our Front-End Web Developer Nanodegree program ends, and is designed to give intermediate developers the chance to build on existing front-end skills and master the newest technologies available.

This program ensures you're supremely well-prepared to succeed in a Senior Web Developer role.

- 1. Building High Conversion Web Forms
- 2. Web Tooling & Automation
- 3. JavaScript Promises
- 4. Offline Web Applications
- 5. Web Accessibility
- 6. Front-End Frameworks
- 7. Client-Server Communications

Full Stack Web Developer Nanodegree

This program will prepare you for a job as a Full Stack Web Developer, and teach you to build complex server-side web applications that use powerful relational databases to persistently store data.

You'll learn to build applications that can support any front-end, and scale to support hundreds of thousands of users.

- 1. Programming Foundations with Python
- 2. Intro to HTML and CSS

- 3. Responsive Web Design Fundamentals
- 4. Responsive Images
- 5. Intro to Backend
- 6. Intro to Relational Databases
- 7. Full Stack Foundations
- 8. Authentication & Authorization: OAuth
- 9. Intro to AJAX
- 10. JavaScript Design Patterns
- 11. Developing Scalable Apps in Python
- 12. Linux Command Line Basics
- 13. Configuring Linux Web Servers
- 14. Version Control with Git
- 15. GitHub and Collaboration
- 16. Shell Workshop
- 17. HTTP & Web Servers
- 18. Designing RESTful APIs

Data Analyst Nanodegree

We built this program with expert analysts and scientists at leading technology companies to ensure you master the exact skills necessary to build a career in data science.

Learn to clean up messy data, uncover patterns and insights, make predictions using machine learning, and clearly communicate critical findings.

- 1. Intro to Descriptive Statistics
- 2. Intro to Inferential Statistics
- 3. Intro to Data Analysis

- 4. Data Wrangling with MongoDB
- 5. Data Analysis with R
- 6. Intro to Machine Learning
- 7. Data Visualization and D3.js
- 8. Intro to HTML and CSS
- 9. JavaScript Basics
- 10. A/B Testing

Machine Learning Engineer Nanodegree

Machine learning represents a key evolution in the fields of computer science, data analysis, software engineering, and artificial intelligence.

This program will teach you how to become a machine learning engineer, and apply predictive models to massive data sets in fields like finance, healthcare, education, and more.

- 1. Intro to Descriptive Statistics
- 2. Intro to Data Science
- 3. Intro to Artificial Intelligence
- 4. Reinforcement Learning
- 5. Deep Learning
- 6. Artificial Intelligence for Robotics
- 7. Machine Learning for Trading

Tech Entrepreneur Nanodegree

No longer listed on Udacity

Our Tech Entrepreneur Nanodegree program teaches you the skills you need to create your own revenue-generating app, and build a successful business around it. You'll learn to succeed the Silicon Valley way!

Built in partnership with Google, this program mixes theory and practice to show students how to transform ideas into market-ready products.

- 1. Product Design
- 2. App Monetization
- 3. Rapid Prototyping
- 4. App Marketing
- 5. Get Your Startup Started

Android Basics Nanodegree

Android apps are everywhere, and learning to build them can be a fantastic career move. No programming experience? No problem! The skills you learn in this beginning Nanodegree program will accelerate your journey to becoming a working Android Developer.

1. Android Basics: User Interface

2. Android Basics: User Input

3. Android Basics: Multi-screen Apps

4. Android Basics: Networking

5. Android Basics: Data Storage

Android Developer Nanodegree

For intermediate Java developers pursuing Android specialization, this program teaches the tools, principles, and patterns that underlie all Android development.

The skills you learn in this Nanodegree program will help you master the existing platform, and prepare you for the exciting opportunities in Android's future.

- 1. Developing Android Apps
- 2. Advanced Android App Development
- 3. Gradle for Android and Java
- 4. Material Design for Android Developers
- 5. Android Wear Development

iOS Developer Nanodegree

Being an iOS Developer is a remarkable occupation, and we've designed this Nanodegree program to teach you the skills required to launch your career.

For those with previous object-oriented programming experience, you'll learn Swift and build a multitude of portfolio-worthy iOS apps to demonstrate your expertise as an iOS Developer.

- 1. Intro to iOS App Development with Swift
- 2. UIKit Fundamentals
- 3. iOS Networking with Swift
- 4. iOS Persistence and Core Data
- 5. How to Make an iOS App
- 6. Objective-C for Swift Developers

Mobile Game Developer Nanodegree

No longer listed on Udacity

If you want the skills to turn your game ideas into reality, or get ready to jump into professional game development, this is the program for you!

The core of this Nanodegree program is libGDX, a powerful cross platform game development framework that allows you to release your game on a variety of devices and operating systems.

- 1. 2D Game Development with libGDX
- 2. How to Make a Platformer Using libGDX
- 3. Engagement & Monetization | Mobile Games

Predictive Analytics for Business Nanodegree

As more and more companies incorporate predictive analytics into their data strategies, demand for business analysts with these skills is growing rapidly, and salaries are rising. This Nanodegree program will equip you with these very in-demand skills, and no programming experience is required to enroll!

You'll master the most important predictive techniques, work with leading tools in the space, and learn to deliver high-value solutions to important business problems.

- 1. Problem Solving with Advanced Analytics
- 2. Creating an Analytical Dataset
- 3. Classification Models
- 4. Data Visualization in Tableau
- 5. A/B Testing for Business Analysts
- 6. Time Series Forecasting
- 7. Segmentation and Clustering