Machine generated alternative text:
UCF 
UCF CODING BOOT CAMP 
Overview: 
Full Stack Flex Program 
Prepare for a career as an end-to-end web developer at LJCF Coding Boot Camp. 
Our Full Stack Flex course gives you the skills you need to build dynamic web 
applications and become a full stack web developer. 
The course runs 24 weeks, with convenient weekend and evening classes. From 
day one, you'll go through a rigorous, fast-paced training program and gain 
proficiency in the theory and application of web development. 
By the time you graduate you'll have all the skills you need to build and implement 
dynamic end-to-end web applications—plus an impressive Professional Portfolio 
and the confidence to succeed as a web development professional. 
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Page I 

Machine generated alternative text:
Is this course right for you? 
It's right for anyone who is intellectually curious. hard-working and ready for a career change. 
Our students enroll for a range Of reasons: 
To change companies or careers—or shift from a non-technical to technical role in their company 
To freelance and supplement their income—or engage more productively with their job 
To acquire the skills to go "all in" on an entrepreneurial idea and build their product 
TO satisfy a hunger for additional knowledge or enhance their skills While in college 
WHAT YOU'" TAKE AWAY 
You Will graduate With full stack web development skills s, including: 
Computer Science applied to JavaScript 
Design Patterns 
Algorithms 
Browser Based Technologies 
HTML 
CSS 
JavaScript 
jauery 
Responsive Design 
Bootstrap 
Handlebars 
Firebase 
Cookies, Local Storage 
React 
Deployment 
Heroku 
auality Assurance 
Writing Tests 
Node.js (Server Side Development) 
Exp ress 
Security and Session Storage 
user Authentication 
MERN Stack (MongoDg, Expressjs, React.js, Node_js) 
PHP (Server Side Development) 
Laravel 
The LAMP stack (Linux. Apache. MysaL. PHP) 
Database 
MongoDB 
Internet Marketing 
SEO 
Semantic HTML 
•The material covered is subject to change. Our academic team adjusts to the market demand 
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Page 2 Machine generated alternative text:
FROM BASIC CONCEPTS TO HANDS-ON EXPERIENCE 
A grasp of computer science fundamentals is essential to web development so our curriculum includes a deep 
dive into the basics of coding and algorithms. We do recognize that the surest way to gain credibility with 
prospective employers and get job Offers is to prove yourself on real-world projects. For that reason hands-on 
experience is at the heart of our program. It's your portfolio projects that show employers you've got what it 
takes—not just to work as a web developer, but to exce/. 
REAL PROJECTS, REAL JOBS 
Our graduates Will be qualified for many different roles, including: 
Full Stack Developer 
Backend Web Developer 
Technical Project Manager 
Software Developer 
Computer programmer 
Application Developer 
LAMP Developer 
Caravel Developer 
Technical SEO Specialist 
Frontend web developer 
product Manager 
QA and Test Engineer 
Application Development Manager 
Web Designer 
Email Developer 
Web Producer 
Technical Business Analyst 
PROGRAM LEARNING OBJECTIVES 
By the time you graduate, you should be able to: 
Apply •social coding' accepted and best practices (including source control, issue tracking, functional 
feedback, etc.) 
Build a frontend website either from scratch or by utilizing a frontend framework (such as Bootstrap) 
Deploy static and dynamic websites to the cloud 
Implement complex logical conditions to meet an objective. 
Write SQL commands to perform Create, Read. Update and Delete commands 
Create a full stack Single Page Application with AJAX communication 
Develop your vision for a website—and then build it! 
Expertly navigate the file system and terminal basics 
Work independently or in a group on complex projects throughout the entire development lifecycle 
Understand the basics of troubleshooting and enhancing legacy code 
Communicate the basics Of serving a web page and how the browser renders code 
Create RESTful APIs utilizing JSON as a data format 
Consume REST ful APIs properly utilizing REST verbs 
Create robust PHP•based websites utilizing Caravel. a MVC framework 
Create session-based applications utilizing user authentication schemes that are well-known and Widely used 
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Page 3 Machine generated alternative text:
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74958 
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91234 
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Scripting 
Help 
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147e8, 
' Parent\'s Choice Sensitive Baby Wipes' 
4.77, 
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de pa rtment_name , 
price, 
proåKt_nme 
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Woo Ice Cooler 
Arrow Professional mtv Stade Sted 
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O Screenshot saved 
The screenshot was added to your OneDrive. 

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Course Structure 
Our Full Stack Flex Course combines informative lectures With individual and collaborative team 
exercises. The program is 24 weeks in length. You will work independently and in groups, in the classroom 
and at home. Homework assignments provide an opportunity to apply what you've learned and take your 
skills to the next level. The goal is to give you a comprehensive learning experience and true insight into a 
"day in the life" of a full stack developer. 
Discussion 
Instructor-led discussions that 
cover the background. history 
and use of a new technology Or 
concept. 
HELP WHEN YOU NEED IT 
Team Exercises 
You'll put classroom teaching 
into practice individually and 
with a team to Work On timed 
in-class exercises and projects, 
Portfolio Projects 
Your portfolio signals to 
employers that you are ready 
for primetime! You'll build a 
substantial portfolio of projects 
that demonstrate your abilities 
across a Wide variety Of 
technologies. 
As you move up the learning curve, you're likely to have questions around some of the concepts covered in 
class. We're here to help—through in-person and virtual office hours. as well as a dedicated $$slack channel 
where you can get assistance from instructors, support staff and your fellow students. All work is done via 
Github, so you can create issues directly on your own projects for instructors to assist you with in a truly 
asynchronous fashion. In addition to learning to code. you will have access to a set of career services that 
Will help you to prepare for technical roles after graduation. 
Career Services 
Access to Prospective Employers 
Lectures and Workshops 
projects Supported by Hiring Partners 
Customizable tools and templates 
Guest Speakers 
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Career Coaching 
Demo Days 
Soft Skills Training 
Private Company Tours 
personal Job Matching 
Frequent Program Enhancements Driven by 
Employer Partners 
Page 4 Machine generated alternative text:
Portfolio 
BUILDING YOUR PORTFOLIO 
It's a fact: Companies care about what you can do, not what you say you can do. 
For that reason, our curriculum teaches you how to put what you've learned to work on actual portfolio 
projects. ranging from simple HTML and CSS code samples to sophisticated Single Page Applications with 
backend databases. 
MY FULL STACK FLEX PORTFOLIO PAGE 
Once you complete our program, your portfolio page will help you showcase your work with links and 
descriptions to the projects you've created, code samples and personal information that employers want to 
see. Think Of your portfolio page as your new home on the web. 
Skills Needed: 
HTML 
css 
JavaScript 
Bootstrap 
Heroku 
O bjec tives 
Have a home on the web to showcase your skills 
Build a complete site from concept 
Commit code to a shared repository 
BROWSER BASED ROLE PLAYING GAME 
Building a game has many components, and seemingly simple ones, such as keeping track of state or 
playing over the Internet. can be deceptively complex. This game involves components like interface design. 
state management. edge cases. determining Win Of course. fun! Students also learn intangible 
skills, such as how to best tackle a difficult problem, 
Skills Needed: 
HTML5/CSS 
JavaScript/jauery 
State Management 
Bootstrap 
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Objectives 
Build a fully functional game 
Track winning and losing stats 
Apply logic skills to a real project 
understand the basics of iteration 
Page 5 Machine generated alternative text:
SELF-SELECTED FRONTEND PROJECT 
The frontend project is a group project that forces you to think outside your comfort zone, You and your 
group will decide what to build and then build it—a frontend application that interacts with real-world 
services like Google Maps. Twitter or the OMDb API 
Skills Needed: 
HTML5/CSS 
JavaScript/jauery 
API Consumption 
JSON 
Cloud Database Usage 
FULL STACK PROJECT 
Objec tives 
Work in a group to build a project together 
Interact With third-party services 
Think in terms of mobile responsive design 
Read/write from/to a remote database 
In your first full stack web application you'll create an intuitive frontend/robust backend and 
scalable database. 
Skills Needed: 
HTML5/CSS 
JavaScript/jauery 
State Management 
Sessions 
Bootstrap 
LARAVEL SITE 
Mysac 
Node_js 
Express 
ORM 
Interactivity (AJAX) 
O bjec tives 
Track issue progress with industry standard tools 
Communicate With team members 
asynchronously 
Design a MySQL Database Schema 
Create a full stack application 
Write project documentation 
Understand database relationships 
Laravel is huge. It has become the most powerful and most heavily used PHP Framework in the world. This is 
cutting edge in the PHP world. and you'll be sure to impress employers With What you make With it. 
Skills Needed: 
HTML5/CSS 
Bootstrap 
Laravel 
Mysac 
Reactjs 
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O bjec tives 
Customizing it based on your groups needs 
use pagination 
Use open source packages to do a lot in very 
little time 
Leverage the MVC design pattern with Caravel 
Implement authentication to let users sign into 
your application 
Page 6 Machine generated alternative text:
FINAL PROJECT 
You will work independently or break out into groups to collaborate on a final project, You will come up with 
your own project and actually build it. The skills you learn during this project will truly help you to prepare 
for your first interviews and jobs! 
Skills Needed: 
Everything we've learned! 
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Objec tives 
Define project scope 
auality Assurance testing 
Responsive Design 
Deployment 
Code Organization 
Page 7 Machine generated alternative text:
COURSE CURRICULUM BY MODULE 
t ct data 
from a MysaL 
Module 
Module 1: 
Mastering The Browser 
(weeks 1-5) 
Module 2: 
API and JSON 
(Weeks 6-9) 
Module 3: 
Server Side 
(Weeks 10-19) 
Module 4: 
(Week 20-21) 
Module 5: 
Computer Science 
Fundamentals 
(Week 22-23) 
Module 6: 
Final Project 
(Week 22-24) 
Description 
When most people think of the "Internet." their 
cive into detaYil abolut the browser 
and *'hat exactly the Code that 
a Web gage 
The advent Of the API has rap.dly prooelled 
Daco ot Innovat.on •r, technologv Being able to 
communicate with other systems enables you to 
do even more with yours, 
Ha•.'e you ever where websites come 
from? They typically 
but did knm 
that do s 
databases and servers: Learn to 
write server-side JavaScrivt ccuge with Node.ls. 
PAP startcu:i out as a simple language for a 
personal homepage, It's a critical part of the 
Intemet as a Here's where we dive In to 
What You'll Learn 
Creating a web page from scratch 
Mastering terminal commands 
• JavaScript and it'S beloved Child. 
REST ful APIS 
parsing JSON to ex ra 
using AJAX to update data a æbsite 
nithout having to hit the "refresh" button in 
the browser 
Writing Nadejs server code to serve static 
neb vages 
Querying amounts Of data and 
question 
Database 
Understanding and 
using Joins. 
teach it all 
comes 
Computer funda ntal 
into the 
a deep dive 
algorithms. 
o r curriculum includes 
Of cod 
ing and 
Throughout the course. you've developed an 
impressive portfolio of projects to show future 
employers This final project is all yours. use al' 
s ou•.e and m akæ 
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Deep-dive into Caravel 
use Caravel'S built-in tools to build complex 
understand haw Caravel implements the 
M VC design pattern 
Computer applied to Ja•ÆScript 
Design patterns 
Algorithms 
Dreaming up something fantastic and 
understanding the bounds Of reasonable 
achievable 
Page 8 