

# SOFTWARE DEVELOPER

DURATION - 33 Weeks\*

COURSES - 10



You will learn the foundations of programming languages to design and build websites, computer programs, and apps. You will receive hands-on training in coding from scratch using JavaScript, HTML and CSS.

## WHAT WE TEACH

- How to produce dynamic, responsive websites using HTML5, CSS3 and JavaScript
- Program server side applications & RESTful Web API's using Express, ASP. NET or Spring
- MySQL & MongoDB to design tables & collections
- Industry development processes through SCRUM and Kanban

## WHAT WE PROVIDE

- Courses taught and delivered by industry experts
- Cutting-edge technical skills
- Preparation for dynamic career in software development

AdventHealth University does not guarantee employment.

## AVAILABLE STACKABLE BADGES & CERTIFICATION

- Created by Industry Experts and Employers
- Curriculum created by industry experts for employers and with instructors meeting college level standards.



HTML, CSS, & Javascript & progress with GIT



Front End Foundations



Programming Foundations



Front End Frameworks



Back End Foundations



Database Foundations



Mobile Apps and Responsive Design



Agile Project Management and Career Skills



Deployment and Web Security



Group Project

\*For successful full-time enrollment.

## LIVE-VIRTUAL SUPPORT

Admissions Advisors

Program Directors

Instructors

Directors of Education

Success Coach

Mentors

## COURSE OUTLINE

SWD100 **Coding from Scratch**

Learn foundations of HTML, CSS and JavaScript and how to record and share progress with Git

SWD101 **Front End Foundations**

Create robust web apps and code structure for large, client-side web projects

SWD102 **Programming Foundations**

Understand programming principles of chosen career path. Learn language specific concepts in Java C# or JavaScript

SWD103 **Front End Frameworks**

Learn front-end best practices and Single Page Web Applications (SPA) with either React or Angular frameworks

SWD104 **Back End Foundations**

Create server-side web apps and services with choice of Express, ASP .NET or Spring

SWD105 **Database Foundations**

Learn how to design, store & manipulate databases. Students will work with both relational (SQL) & non-relational databases

SWD106 **Mobile Apps and Responsive Design**

Explore Responsive Design principles and create a mobile-first experience to be used on mobile apps (iOS/Android)

SWD107 **Agile Project Management and Career Skills**

Manage software projects & teams, learn roles & responsibilities as well as the Software Development Lifecycle (SDLC)

SWD108 **Deployment and Web Security**

Understand the process and benefits of deploying a web application to a cloud hosting provider

SWD109 **Group Project**

Build a full-stack application as an Agile Project Team followed by a presentation in front of family, friends, and employers



PROFESSIONAL  
**WORKFORCE**  
DEVELOPMENT