



**SUMMER
SPRINGBOARD**
Look Inward. Go Upward.

Web Development Online

New student admissions for
Summer 2023 are open.



Track Highlights

- The basics of coding: Learn in the essential markup and coding languages of the web: HTML, CSS, and Javascript.
- Mobile-first, responsive design: This is the default of the modern web. Learn coding frameworks and techniques that ensure that your web sites work well on all screen sizes.
- Software tools: Learn which software tools are most popular in the world of today's editors including Figma and Adobe XD.
- Git and Github: This is the industry standard for collaborating on, sharing and hosting software on the internet.
- Databases: Learn the basics and how to store/work with data to drive your website.
- Effective debugging: Learn with tools like Chrome Developer Tools that might help you make sure your code works perfectly on every browser.
- APIs: Understand how to use APIs (Application Programming Interfaces) so you can communicate with other websites all over the web.



Academic Program Overview

This innovative college-level course in partnership with iXperience is perfectly designed to help high schoolers gain real world knowledge and experience before committing to a Web Development path in college. Students in this course will design and develop simple frontend web applications using HTML, CSS and Javascript. They will use GIT to version control code and collaborate with other developers on the same project. Students will also design database tables and structures, while learning to integrate with a serverless backend framework (Firebase). They will get to design, develop and deploy a FullStack web application. While specific briefs vary from course to course, all of the projects are selected to perfectly complement the skills covered in class and enable students to make a real-world impact.



I came to iX with no prior coding experience, but after having taken the web development course, I've managed to become fluent in three different programming languages.

-Raul Rodriguez, Dartmouth University (now working at Tesla)

Instructor

TBD

Previous instructor and industry specialist for this course was Akhil Boddu. Akhil was born in Hyderabad, India, brought up in Nairobi, Kenya and is now building a career in South Africa running two specialist web development companies. He graduated from the University of Cape Town (UCT) with a first-class degree in Computer Science and Information Systems as well as a postgraduate qualification. Today, Akhil owns and runs Zaio, which focuses on training and placements for software developers.

His core expertise lies in web development as a Full Stack Developer (React JS and Node JS), having worked in a number of projects (see his Github here). While still a student, he built his skills as a Computer Science tutor at UCT, became Chairperson of the UCT Developer Society, and became an Intel Ambassador. Work aside, Akhil also represented Kenya in cricket and chess.

Payment Information

- Price: \$1,798
- Application fee: \$99 (mandatory, non-refundable)
- Emergency Medicine & Pre-Med course supplement: \$250 tuition (mandatory)

Program Information

This program is open to any high school student who will be entering freshman, sophomore, junior or senior year in Fall 2023. Space is limited. Each session is limited to 35 students per track. Classes will be held via Zoom and facilitated in real-time by the instructor and a classroom coordinator.

Summer Springboard programs are not run by our campus partners. Universities and their affiliated departments are not responsible for the Summer Springboard program in any way.



Course Structure

- Week 1: Students will kick off their week with an introduction to HTML & CSS, and then begin learning about and using GIT & Bootstrap. They will then finish off the week learning about DOM, AsyncJS and local storage, as well as the intricacies of APIs & Firebase.
- Week 2: In their second week, students will begin using fullstack while focusing on web design, and cloud functions. Their second week will culminate with their final presentations.



2023 Dates

Session 2: June 3 - June 13 (online)

All classes will run: 9:00am - 12:00pm PDT/
12:00pm - 3:00pm EDT

This program is also available in a hybrid format. For more details visit [our website](#).