



Alternative Peru Website

Development

July 2020– Online PBL

Program Background

‘Alternative Peru’ is a social enterprise in Peru that is committed to promoting responsible tourism by leading foreign tourists on authentic cultural trips. They lead tourists to visit aboriginal communities in the Amazon. They also host a lot of traditional art and cultural workshops throughout the trip to help tourists gain a deeper understanding of the traditional culture of Peru as well as to help improve the lives of local indigenous groups through donations and volunteer services. In this online PBL, students will learn about Peru’s culture and nature, indigenous community development, and local social innovation from the the managing director of Alternative Peru. In addition, students will also learn website development skills, such as by using HTML, CSS, JavaScript, etc. Students will put what they have learnt into practice by helping Alternative Peru build an official Chinese website. The website will provide a platform for Chinese youth to learn about and participate in Alternative Peru's responsible tourism practice. The Project seeks to help more Chinese youth better understand issues related to Peru’s Amazon rainforest protection, indigenous culture, and the development of local social innovation projects. Students will also have the opportunity to build their own personal website.



Program Overview

July 27, 2020-August 16, 2020 (3 weeks)

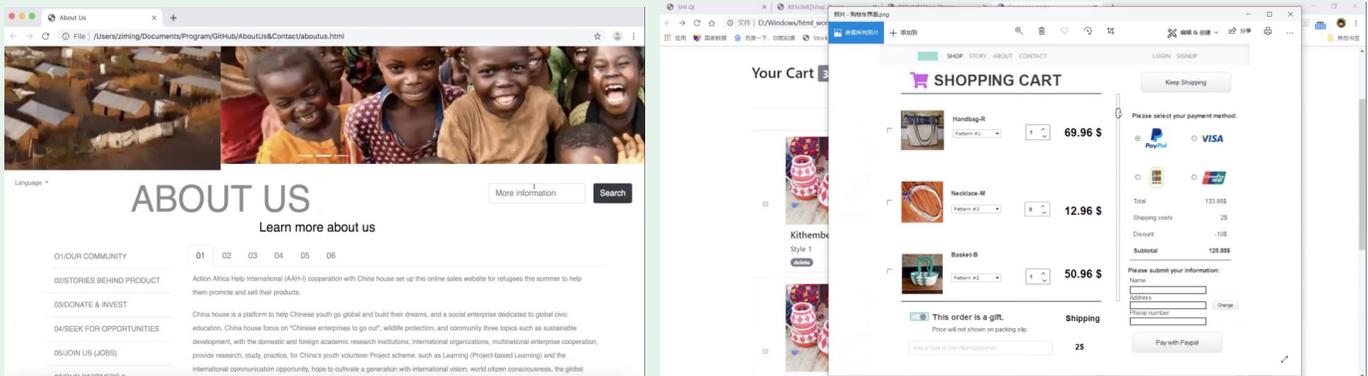
Course overview:

- 10 online Lecture and Discussion classes
- 2 hours of office hour every week to answer any questions students may have
- 2 presentation classes to showcase project results and practise public speaking
- 1v1 communication with an instructor throughout the process

PBL product:

Alternative Peru's Chinese Site (completed by groups)

The student's personal website



Timeline:

• Lesson 1 - project background study & introduction to website development (Saturday, August 1st 21: 00-22: 30).

-Status of Peru Nature, Aboriginal Community Development, and Local Social Innovation.

-Introduction to website development: the basics of website functionalities and website development processes.

• Lesson 2 - Basics of website development (21: 00-22: 30 on Sunday, August 2).

-Remote interview with Alfredo, head of 'Alternative Peru', to clarify the purpose and elements needed for the Chinese website.

-The first step of website development: Git principle, command and web development processes introduction.

• Lesson 3 - Basics of Web Design Language (Saturday, August 8th 21: 00-22: 30).

-HTML basics: how to create hyperlinks and insert graphics, build frames and use forms, etc.

-CSS basics: syntax definition and embedding methods, attributes and positioning methods, powerful CSS filters, etc.

- **Lesson 4 - Advanced Web Design (21: 00-22: 30, Sunday, August 9).**

- Javascript basics: Getting started with JavaScript, HTML and CSS.

- Alternative Peru Chinese website frame design.

- **Lesson 5 - Website Deployment: How can people all over the world access the website? (Saturday, August 15 21: 00-22: 30)**

- Website deployment: process, operation method and precautions for deploying the website on the server.

- Solve problems related to website development and operation.

- **Lesson 6 - Website production display and project summary (Sunday, August 16 21: 00-22: 30).**

- Participants showcase personal websites and Alternative Peru Chinese websites.

- Participants summarize and share their personal gains and insights, and the instructors summarize the project.

- **Lesson 7 - Website showcase and project summary (Sunday, August 16 21: 00-22: 30).**

- Students will showcase both their personal websites and the Alternative Peru Chinese websites.

- Students will summarize and share their personal reflections and insights from this learning experience.



Program instructor

Dr. Yimin

Ph.D. in Computer Science from State University of New York at Stony Brook. Bachelor of Mathematics and Computer Science and Master of Computer Science at State University of New York, Stony Brook. Worked in a well-known software development company in New York, and published papers at the ACM International Conference on Computer and Communication Security. Yimin is an experienced teacher in programming and website development, and is highly proficient in Java, Python, HTML / CSS, C ++, MySQL, VBA. In 2019, Yimin served as a mentor for multiple China House website development projects and led the students to build an e-commerce website to sell handicrafts made by East African refugees. She also led the web development projects that built the Chinese website for Indonesian Orangutan and Rainforest Protection.