

Service Based Learning: Database & Personal Experience

AVERY SPECTOR AND MEREDITH BECKMAN



Meredith applying mortar to interior walls



Small neighborhood temple near the job.



Avery mixing concrete.



Local labor bringing in more bags of cement.

Part 1: Chiang Mai, Thailand

We completed a two week long home build in December 2019.

Throughout the project we:

- Formed/poured a SOG
- Dug a 6' septic tank hole
- Formed CMU walls
- Framed openings



6 foot septic tank holes we dug.

ABSTRACT

In the Winter of 2019, students from the Cal Poly Construction Management Department traveled to **Chiang Mai, Thailand**, to complete a home build with Habitat for Humanity **Global Village**. This trip sparked their interest in promoting service based learning for other students looking for similar opportunities. In order to provide future students with information about not-for-profit construction, a **database** was created to highlight the available opportunities to volunteer. The purpose of the creation of the database was to connect students with volunteer opportunities that fit their interests and time commitment. To accommodate various interests, it was imperative to include organizations located **locally, nationally, and internationally** during the creation of the database. In addition to the organizations included, research about the various fundraising opportunities and a comparison of expected out of pocket **expenses** was also included within the database.

Methodology

Researched and contacted various organizations and talked to project alums.

Outcome

A comprehensive database that will enable future CM students to find and plan construction service opportunities.

Part 2: Creating the Database

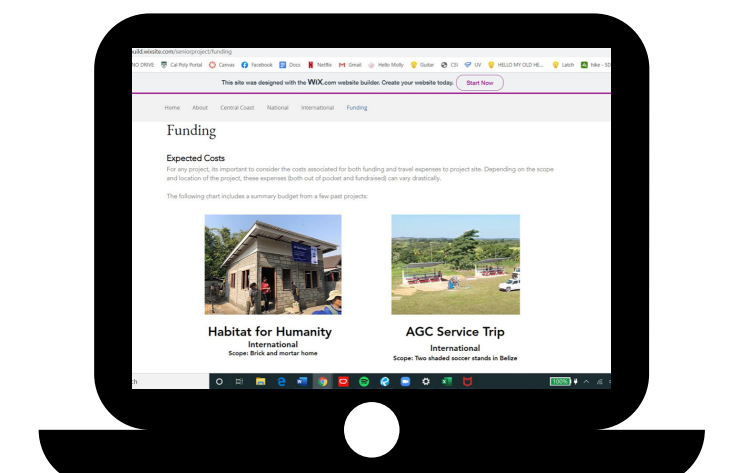
Finding a service trip that aligned with our goals was harder than we expected. With the creation of our database, we hope to simplify this process for future students. In addition, our website provides information on funding and our own experience.

We chose to divide service opportunities into 3 categories:

Local
National
International

Within the categories, students can find reliable websites summaries, past projects, and other valuable resources. We carefully selected opportunities by calling community members and organization representatives, as well as, thoroughly researching online.

We hope that our final product will be of use to future Construction Management students and used as a resource on the department website.



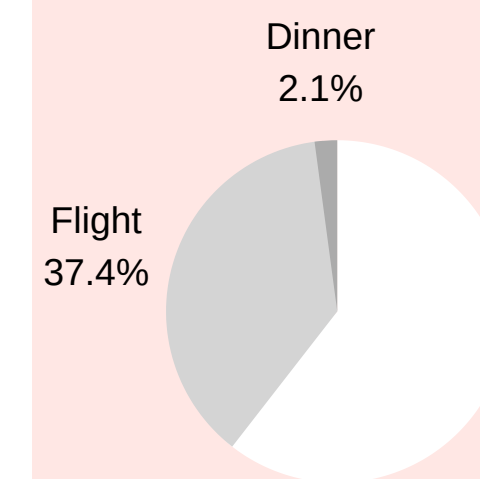
Our Cost Breakdown

GV Base Donation: \$2,000*

Flight (two ways): \$1,235

Dinners (12 days): \$70 = **\$3,335**

*Includes: breakfast, lunch, insurance, hotel, cost of construction materials, Habitat for Humanity employee donation.



Accepted to the team.

Trip funding complete.

Construction begins in Chiang Mai.

Construction ends in Chiang Mai.

Begin collecting data for website.

Website complete.

MAY 2019

OCT 2019

DEC 7, 2019

DEC 19, 2019

MARCH 2020

MAY 2020

Avery Spector
aespecto@calpoly.edu
(916) 992 3530

Meredith Beckman
mwbeckma@calpoly.edu
(206) 794 5850