

Faculty Advisor:

Dr. Andrew  
Forney

1 LMU Drive  
Los Angeles, 90045



Members:  
Brittany Steenbergen  
Emin Torlic  
Clayton Bruce  
Ryan Nguyen

## The Story

Our team picked up the Beaker project fall of 2022 from the previous class of seniors. We worked hard to understand the code base and where to go next. We started by evaluating the tech stack and making a few additions for increased security. Following the start of implementation in the fall, the group has made tremendous progress in the spring. The functionality and look of the site was reimagined so that Beaker would make a lasting impression on its users.

## TECH STACK

### REACT JS

Best tool to build our website interface.

### ELASTICSEARCH

Analytics lets us measure and tune our database to easily adapt and scale. It is also document based which is helpful when working with user information.

### AUTH0

Used for user authentication to ensure they belong to LMU. Takes user to a different sign in page where they create a password.

### SENDGRID

Used for email verification when signing in. Sends the user a confirmation email that they must approve before access to their account.

## What's next?

Provide the next members of beaker with a smooth onboarding process so they can pick up where we left off which consists of:

In depth documentation with information on the tech stack and all pages/components included in the site.

The next additions including some natural language processing, the inclusion of alumni on the site, and improving general functionality.

## The Problem

How do LMU students in need of research experience search for, create, and apply to projects outside their discipline?

How do LMU professors find the best suited candidates for their research projects?

## The Solution

A web application designed for students and staff to post, apply for, and bookmark research projects.

Easy for both students and staff to get connected with people from the right discipline.

A central platform for professors and students to manage their research projects

## Spring developments

Changed projects display in dashboard

Elevated + cleaned up existing pages

Fully functioning dashboard (bookmarked, my projects, update profile all work)

Project applications and acceptances added to the projects page

Added timeline to project creation

Full distinction between students and faculty upon login (depends on @lmu.edu or @lion.lmu.edu)

Resume upload and download in profile

Application and acceptance functionality

Removal of user information (i.e. public display of emails) from the site

## CONTACT INFO



Dr. Andrew Forney  
andrew.forney@lmu.edu

Brittany Steenbergen  
bsteenbe@lion.lmu.edu

