

# ResearchConnect

Abdurrahman Al-Omari [ahalomar@ucsc.edu](mailto:ahalomar@ucsc.edu)

Giulio Colleluori [gcollelu@ucsc.edu](mailto:gcollelu@ucsc.edu)

Daniel Williams [daswilli@ucsc.edu](mailto:daswilli@ucsc.edu)

Erik Haight [edhaight@ucsc.edu](mailto:edhaight@ucsc.edu)

Kenneth Collings [keacolli@ucsc.edu](mailto:keacolli@ucsc.edu)



## Abstract

Struggling to find research opportunities at UCSC? With Research Connect you will be able to easily see all available research that the professors at UCSC have to offer. Research connect will allow each student to create a student account with their resume attached and a quick description of their skillset and experience. Professors will also be able to create professor accounts which will allow them to post their research on this website. The goal of this project is to give students an easy way to see all research available to them and get in contact with professors. It is also to help professors more easily find people that have the necessary skillset and would help advance their research. It's pertinent for undergraduate physics students to do research if they plan on continuing to a graduate program. This is even more difficult for transfer students who will have much less time to look for and start doing research. I'm sure students in other majors face a similar problem.

## Main Features

- *User Profiles* — Contains information about the user and their resume/skillset
- *Professor Profiles* — Contains information about the professor and their research
- *Follow Professors* — Follow specific professors and get notified when research opportunities open up
- *Searching and Filtering* — See a list of research opportunities relating to the fields selected and tags searched
- *A verification system* — This is to make sure that Professor Profiles are actually being made by professors and not malicious users

**Extra Features** — These are features that will be added if we have the time to

- *Messaging System* — A way to communicate between people within the app

## Data Stored

- *Users*
  - *Students*
    - *Name*
    - *Major*
    - *Resume*
    - *Picture*
    - *Bio*
    - *Skills*
    - *Interest*
    - *Following*
    - *Follower*
  - *Professors*
    - *Name*
    - *Department*
    - *Contact info (email)*
    - *Office Hours*
    - *Classes thought*
    - *Research List*
    - *Following*
    - *Followers*
- *Research Opportunity*
  - *Topic*
  - *Professor*
  - *Major*
  - *Requirements*
  - *Tags*
  - *Applicants*
    - *Student Object*
    - *Acceptance*

## Assigned Roles

- *Front End & UI/UX: Erik, Giulio*
- *Backend: Abdurrahman*
- *Databases/Backend: Daniel*
- *Fullstack: Kenny*

## Git URL

<https://github.com/toasthater/ResearchConnect>

## Technologies [WIP]

- Web2py
- Vue.js
- Slack
- Github
- Trello

## Domain Options [WIP]

- MyResearchConnect.com
- ResearchConnectApp.com
- ResearchConnectWeb.com
- GetMyResearch.com