

ResearchConnect

Research Connect Team

1/22/19 (Revision 1)

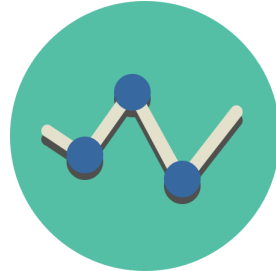
Abdurrahman Al-Omari ahalomar@ucsc.edu

Giulio Colleluori gcollelu@ucsc.edu

Harpreet Singh hsingh18@ucsc.edu

Sean Riley separile@ucsc.edu

Gene Choi Gkchoi@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.

High Level Goals

- Create a React based Web App — Setup the environment and learn basic technology
- Signup and Login — Users and professors should be able to use the web app
- *A verification system* — This is to make sure that Professor Profiles are actually being made by professors and not malicious users
- Create Research — Professors should be able to create research posts
- Apply to Research — Students should be able to apply to join research posts
- *User Profiles* — Contains information about the user and their resume/skillset
- *Professor Profiles* — Contains information about the professor and their research
- *Searching and Filtering* — See a list of research opportunities relating to the fields selected and tags searched

- *Follow Professors* — Follow specific professors and get notified when research opportunities open up

User Stories for Release

- Sprint 1
 - (3) As a developer, I should be able to build a React based web app.
 - (1) As a user, I should be able see a basic version of the web app.
- Sprint 2
 - (8) As a user, I should be able to sign up and login to the web app.
 - (5) As a user, I should be given professor access if I am one.
- Sprint 3
 - (8) As a professor, I should be able to create research posts.
 - (3) As a professor, I should be able to delete my research posts.
 - (5) As a professor, I should be able to edit my research posts.
- Sprint 4
 - (8) As a student, I should be able to see existing research posts.
 - (8) As a student, I should be able to apply to existing research posts.
 - (8) As a professor, I should be able to accept or decline applications to my research post.
 - (3) As a student I should be able to leave a project.
- Sprint 5
 - (8) As a student, I should be able to view my profile.
 - (3) As a user, I should be able to view other users' profiles.
 - (5) As a student, I should be able to edit my profile.
 - (5) As a student, I should be able to upload my resume to my profile.
- Sprint 6
 - (13) As a user, I should be able to filter research posts by department.
 - (8) As a user, I should be able to search for research posts by name.
 - (5) As a user, I should be able to search for research posts by creator.
 - (5) As a user, I should be able to filter research posts by tags.
- Sprint 7
 - (5) As a professor, I should be able to view my profile.
 - (3) As a user, I should be able to view professors' profiles.
 - (3) As a user, I should be able to see research posts by the professor on his profile.
- Sprint 8
 - (3) As a user, I should be able to view my following page.
 - (5) As a user, I should be able to follow professors.
 - (3) As a user, I should be able to unfollow professors.
 - (13) As a user, I should be able to see research posts by the professors I'm following in the following page.

Product Backlog— These are features that will be added if we have the time to

- Reviews — A way to rate research posts
- Push Notifications — A way to notify people of updates on the web app
- Messaging System — A way to communicate between people within the app