ResearchConnect Release 2

Research Connect Team
4/4/19 (Revision 1)
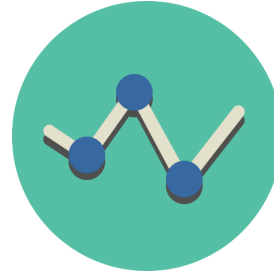
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Abstract

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

- In-app notifications
- Custom Application Forms
- Faculty Recommendations
- Students Review System
- Functionality to rate/review research
- Ability to search for profiles
- APIs Security and form validation
- Clean up UI
- Seek out different professors and incorporate their ideas into the web app
- Build a user base

User Stories for Release

- **Sprint 1**
    - (5)　　As a developer I should have a consistent code base.
    - (5)　　As a developer the application should automatically deploy to a server
    - (3)　　As a professor, I want the applicants view to look nice.
    - (13)　　As a developer I want a user base consisting of students and professors.
    - (5)　　As a professor, I want my profile page to look different from a student's profile so it can be easily distinguished.
    - (13)　　As a user, I want to have strong security so that my posts and data are kept safe.
- **Sprint 2**
    - (8)　　As a professor I want to create questionnaires that students must complete before they join a project.
    - (3)　　As a student I want to be able to review research opportunities.
    - (8)　　As a professor I want to see student resumes on their applications without visiting their profile.
- **Sprint 3**
    - (8)　　As a student I want to see research posts from my followed professors.
    - (5)　　As a professor I want the ability to search for students using the navbar.
    - (8)　　As a professor I want to be able to manually archive research posts that have enough students.
    - (8)　　As a student I want to be notified if I have been accepted to a research opportunity.
- **Sprint 4**
    - (5)　　As a professor I want to be notified if someone applied to my research post.
    - (3)　　As a student I should be able to see all of the research posts for my major in one view.
    - (5)　　As a professor, I want to display my researches on my profile.
    - (3)　　As a professor I want to be able to review students.
    - (3)　　As a professor I want to be able to archive research posts that have expired.

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

- ML Model For Student Suggestion
    - (21)　　As a professor I want to see students who are only relevant towards my research (machine learning).