

APPLICATION FOR IRB REVIEW OF RESEARCH WITH HUMAN SUBJECTS

Electronic Submission to Area Reviewer is Required*

Principal Investigator: Melany Diaz

Title of Project: Building a Network

Date application submitted: 11/11/15

Status of Applicant (Faculty Member, Administrator/Staff, Student): Student

If Student Applicant, provide:

Name of on-campus faculty advisor: Pam Cutter and Alyce Brady

A faculty advisor must review your application prior to submission for review. Has your advisor reviewed this application? (Yes, No): No

Have you completed a research ethics training course of module? (Yes, No): Yes

If Yes, please indicate when, where, and with whom the ethics training was completed (this might be part of your departmental methods course or as an online module assigned by a faculty mentor/advisor. Examples that satisfy ethics training include completion of PSYC390 Experimental Methods, ANSO245 Qualitative Research Methods, or other courses that have deliberate and substantial ethics training components, or by completion of an online ethics training module such as “responsibleresearch.org” or “phrp.nihtraining.com”): **Completed 8/10/15, NIH Office of Extramural Research phrp.nihtraining.com**

If No, stop the application process. You may not receive IRB review until you have completed ethics training.

Is this research part of your SIP (Yes, No): Yes

Is this research in connection with a fellowship application? (Yes, No): No

If yes, state fellowship:

Anticipated graduation year and major: 2016 Computer Science and Mathematics

Please provide the following information relating to your application:

1. What is the purpose of the proposed study?

To construct a network of computer scientists through their biographies and to provide a platform of role models and peer mentors that may motivate a computer science student considering changing their major or field of study.

1. Describe the proposed subject sample including expected ages, genders, total number of subjects (including control subjects), and source of subjects. If subjects under the age of 18 will participate in your research, indicate the sample's expected age range.

The subject samples will be current and past Kalamazoo College alumni who have either begun or completed their studies in computer science. The source will be through LinkedIn, e-mail, and the alumni connections found at Kalamazoo College.

1. How will subjects be recruited and selected? Please note if any of the following groups will be included as subjects: Prisoners, pregnant women, the seriously ill, or mentally or cognitively compromised adults.

Through e-mail and LinkedIn.

1. Briefly describe all research procedures that will apply to human subjects. Be sure to indicate:

- a. How will subjects be recruited?

Through e-mail and LinkedIn.

- b. Approximately how much time each subject is expected to devote to the research. How will data be collected and recorded (With or without identifiers? What instruments, materials, or equipment will be used? Will audio or videotapes be used in data collection?). Attach copies of all written instruments and/or describe any apparatus with which subjects will be in direct contact. Attach copies of all proposed tests, surveys, or questionnaires used in the research. If the written instrument is not ready at the time the application is submitted, a description of the topics or an approximate script should be submitted. In some cases, more specific details of questions to be used may be required.

I estimate that it will take each subject between 10 and 30 minutes to complete their portion of the research. Data will be collected through a Google Forms survey..

- c. Methods for obtaining informed consent and assent in the case of minors. For minors, indicate how the consent of parents or legal guardians will also be obtained. Attach copies of all materials used to obtain informed consent or assent.

I don't predict that any minors will participate in my study. However, subjects will give direct permission and consent throughout every stage of the study to consenting to participate.

- d. Methods for preserving confidentiality (including plans for storing/disposing of tapes and other data records at the conclusion of the research).

Sensitivity and awareness that subjects may share personal stories. Double checking with subjects that it is okay to share what they present. If not, then digital deletion at the discretion of the subject.

- e. If deception is to be employed, provide a scientific justification for its use and describe debriefing procedures. [If the research is such that debriefing cannot be carried out, the project must be submitted for full committee review.]

Deception will not be employed.

1. Indicate any benefits that are expected to accrue to subjects as a result of their participation in the research. In the event that subjects will be paid, describe all payment arrangements, including how much subjects will be paid should they choose to withdraw from the study prior to completion of the research. If subjects awarded extra credit in a course, students choosing to not participate in the study must be offered an alternative extra credit assignment comparable in time commitment/difficulty as the study.

A network and community of similar peoples as well as a sense of accomplishment in becoming a role model or mentor.

1. Describe any relationship between researcher and subjects, such as: Teacher/student; superintendent/principal/teacher; employer/employee. If such a relationship exists, how will it affect the subject's ability to participate voluntarily and how will the principal investigator handle it?

Fellow Kalamazoo College students. I believe that since we all have the common knowledge of the SIP process, subjects may be a little more empathetic

1. Indicate any grant support (internal or external) or commercial support for the project. Note: All externally funded projects must receive IRB review.

Trevor Hough SIP Award

CONSENT FORM

NOTE: The method of research is a survey made on Google Forms. In order to get to the survey, a subject will have to read an introductory page with the consent form and check in a box stating that they have read the consent form and agree to participate. Once the subject checks that box, they will be directed to the survey.

This research is being conducted to fulfill the degree requirements for Bachelor of Arts at Kalamazoo College, under the supervision of Dr. Pamela Cutter, PhD.

Purposes of the Study

The purpose of this study is to learn more about Kalamazoo College Alumni and students in Computer Science and to construct a network between them. The goal is to construct a network of computer scientists through their biographies and to provide a platform of role models and peer mentors that may motivate a computer science student considering changing their major or field of study

Description of Procedures

This survey involves sharing your experience, history and perspective within the computer science and technology fields. This will take between 10 and 30 minutes for you to complete.

You will be asked to fill out a questionnaire regarding your story with computer science, which will then be used to construct a small biography. You do not have to answer all the questions or follow the questionnaire at all. You will have the opportunity to see the final bibliography composed from your answers before it is used for the SIP.

Risks and Discomforts

There are no known or expected risks for participating in this study, except for the mild frustration associated with answering the questions or the discomfort of sharing personal details. You may decide at any time to quit the study.

Benefits

The biography obtained through the questionnaire will be used to form a collection of role models and inspirations that fellow Kalamazoo College students may reference. If you choose to share your contact information, the network provided by the study may be utilized to help further career or educational choices and relationships.

Confidentiality

Any information about you that is obtained as a result of your participating in this research will be kept as confidential as legally possible. You will have final discretion and say as to the biography published as a result of this research as well as the amount of personal information, such as name, contact information, place of work or study, etc that will result from this research. Neither your name nor any information from which you might be identified will be published without your consent.

Voluntary Participation

Participating in this project is voluntary. You are free to withdraw your consent at any time. No one will be mad at you if you refuse to do this or if you decide to quit.

Contact Information

For more information about this research, you may contact Melany Diaz at mraediaz@gmail.com .

☐ I agree to participate in this research, and am aware that I may withdraw my consent at any time.

METHODS AND INSTRUMENTS

Building a Network is a Senior Independent Project by Melany Diaz

Thank you for filling out this survey!

Please answer these questions only as you are comfortable. While I appreciate complete and thorough answers, I understand that some questions may not require an answer from you. Please feel free to write as much or as little as you feel comfortable. In other words, your response is completely at your discretion.

Thank you again for being willing to become a part of my SIP! Everyone needs a sense of community that can provide people to look up to; thank you for becoming part of that support network.

What is your name?

Leave blank if you choose to stay anonymous

What is your relationship to Kalamazoo College?

What interests you in Computer Science and Technology?

How did you get involved in this field?

What surprised you about working in this field?

What is something you wish you had known about this field when you first began?

What is something that keeps you motivated?

What advice would you give to a student debating whether to continue their studies in Computer Science and Technology

What is one of your hobbies?

Do you work? If so, where do you work and what are some of the things that you do?

Are there any other things you would like to add to your biography?

Would you be willing to submit a picture and/or a video for your bibliography?
if yes, please add your email or a way I may contact you to collect the picture/video

RECRUITING MESSAGE

Hello, my name is Melany Diaz and I'm currently working on my SIP, which revolves around getting more students involved in C.S., particularly students of color and women. I have found that one of the greatest reasons that students don't continue their studies in Computer Science, or don't follow a career in the technology field, is because of a lack of role models, peer mentors, and community. For my SIP, I'm building a website that would be able to provide a network for students where they may find some inspiration to continue their careers through finding people to look up to and aspire and a sense of belonging. If you have any experience in computer science or technology, I think you would be a great contributor to this project, and I hope that you will consider participating by adding your biography to this network.

Attached is an example of what a biography in the website would look like. If you are interested in participating, please fill out the survey found through this link: <http://goo.gl/forms/ctet8t34Et>

Thank you so much!

EXAMPLE BIOGRAPHY



Melany Diaz

Relationship to K: Student, K'16.

What interests you in the technology field? In today's day and age, I find that Computer Science is starting to find its way into other disciplines, such as economics, health, linguistics, or psychology. Following KCollege's passion for the liberal arts, I have fostered an interest in topics that range across all disciplines and departments. I love that computer science allows me to continue my various interests while applying them to technology.

As I've learned more about Computer Science, I've began a strong interest in digital safety and cryptography, and am strongly considering following this path after K.

What is something that keeps you motivated in your field? I am lucky enough to have a very strong support system that keeps me motivated when the going gets tough, full of family, friends, and colleagues. I often struggle with being one of the only Latina students in my classes. Being both a person of color and a woman, I often feel the pressure of being part of an under-represent group of people in Computer Science. Luckily, I have found strong role models that keep me inspired and a strong community that keeps me involved.

What is something you wish you had known when you had first began this career? I really wish I had known how tangible the disparities of the distribution of technology and internet can be felt. Not everyone has access to a computer or to a learn where they can learn programming, which has great impacts upon who decides to join this field.

Do you have any advice for any student debating whether to stay in Computer Science? Try not to compare yourself to other students! Most people's background in coding is extremely varied and diverse. You'll encounter people who understand the field a lot better than you, and people who don't. Try not to compare yourself to your peers, and don't judge yourself too hard.

Any other comments: I am a strong believer of the impact that role models can have on a student to stay motivated.

Contact info Contact me through LinkedIn or E-mail.