**Educative Research Experience**

**Information and Agreement**

The purpose of this document is to support a mentorship relationship for students wishing to experience research at the Institute for Systems Biology (ISB). Please complete the form and provide a copy to the mentor, the mentee, and Human Resources.

**Basic information:**

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| Mentee: | Kristopher Skelton |
| Telephone number (non-ISB): | 206-779-4272 |
| Email address: | [kristopher@kmskelton.com](mailto:kristopher@kmskelton.com) |
|  |  |
| Mentor: | Denise Mauldin |
| Telephone number: | 206-732-1427 |
| Email address: | [denise.mauldin@systemsbiology.com](mailto:denise.mauldin@systemsbiology.com) |
| Faculty group: | Hood lab |
| Other ISB staff involved in mentoring: | Terry Farrah |
|  |  |
| Start date: | 2/17/16 |
| End date: | 4/1/16 |
| The mentee will receive payment from ISB (confirm with HR before choosing yes or other): | No |
| If the mentee will not be paid by ISB, has has he or she been registered in the visitor request database [here](https://www.formstack.com/forms/?645860-ka8RsMXfK9)?: |  |
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| Is the mentee participating in this experience as part of a program or requirement at their home institution? NO.  If yes, please explain: | |

**Time Commitment and Expectations:**

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| The mentor and the mentee should work together to determine the time commitment and expectations dependent upon their mutual obligations and the needs of the project. In the following space, please describe the approximate number of hours the mentee will participate each week, specific days and times if relevant, and any expectations for changes to that schedule (vacations, travel, busy school weeks, etc.)  Kristopher will be expected to work 12 hours per week on the Kaviar Tool. Eight of those will be on-site on Wednesdays. The remaining four will be on his own time with support from Denise Mauldin depending on her availability. |

**Project Description:**

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| While the project can change over time, the mentor and the mentee need to define the parameters of the project at its onset.  Please briefly describe the project(s) the mentee will participate in: The Kaviar Tool is in need of revising to make it mobile responsive as well as more accessible for the visually impaired.  Aspects of the project will the mentee be responsible for: Kristopher will be responsible for redesigning the site and adhering to ISB’s style guide. At a minimum the site needs to accept user input and return a table of values.  Aspects of the project the mentor will be responsible for: Denise will be responsible for approving design and guiding Kristopher through building the server calls.    Aspects of the project that others will be responsible for: Terry Farrah will be responsible for approving design. |

**Learning Objectives:**

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| Before beginning the project, the mentor and the mentee need to consider what the learning objectives of the experience will be.  The mentee would like to learn more about: Front-end software development, working with client specifications, collaborating with non-JavaScript developers.  The mentee would like to learn the following skills: AJAX calls; serving data to the client (without being able to manipulate said data).    The mentor would like to learn or practice: Collaborative process of developing a rich HTML5, CSS, and JS front end. |

**Culminating Project:**

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| Each mentee should create a final project or presentation to be shared with peers in lab group or at home institution. This project should align with the needs of the mentee but may be a poster, a group meeting presentation, or other presentation.  Description of culminating project: The culminating project is a live demonstration of the website. The site is written in best-practices HTML5 and CSS, is responsive (mobile-friendly), accessible to screen-readers and displays tabular data based on user input. The colors and fonts adhere to the ISB style guide. Data is served dynamically to the index page using jQuery; which is hosted on Google’s CDN rather than require that each user download the minified code each time the page is loaded. Page load speed is improved by 25%. There is also documentation regarding how to use the site as well as how to update the page.  Date/time of culminating project: Wednesday, April 6 during the 11:30AM FamGen meeting. |

**Mentor**

As mentor, I agree with the above descriptions and agree to support the mentor as following:

* Making myself available to the mentee at scheduled times or by appointment
* Meeting with the fellow to discuss his/her experience and to evaluate the academic portion of the internship

Mentor signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

**Mentee**

I agree with the above description and agree to maintain regular contact with my mentor to ensure any issues are addressed.

Mentee signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_