



Bioinformatics Research Opportunity

Fall 2014

The Center for Research and Education on Aging (CREA) is a joint Lawrence Berkeley National Laboratory and University of California, Berkeley institution. Our mission is to investigate the basic processes that cause aging, with the goal of improving and extending human life span. We have been researching and developing software to automate the construction of biomedical knowledge bases, with a focus on constructing a knowledge base that describes the human aging process. We're seeking University of Waterloo students interested in doing volunteer research and making open contributions to the project. The goal is to further progress enough to give a presentation at the International Conference on Bioinformatics later next year.

Expectations

- Available to meet on Skype for about 30 minutes per week.
- A volunteer time commitment of about 4-6 hours per week.

Requirements

- Enrolled in an Undergraduate Program at the University of Waterloo.
- Has completed at least one computing course, or has equivalent experience.

Desirable Experience

- Breadth of knowledge in software development.
- Good software implementation skills.
- Prior experience in linguistics.
- A formal understanding of English grammar and sentence structure.
- Experience in introductory statistics.
- Knowledge of artificial intelligence and machine learning.
- Prior knowledge of biology and bioinformatics.
- An awareness of current aging theories.

How to Apply

- If interested, please contact Mark Farrell at the following email address: m4farrel@csclub.uwaterloo.ca.
- Please include your résumé and a brief description of why you would like to participate in this research opportunity.

