Undergraduate Research Assistant Position

Job
A successful applicant will work as a programmer designing and developing web-based software for economics experiments.

- design and implement systems and architecture for web-based economics experiments
- implement experiment features and bug fixes
- deliver high quality and well-structured code
- work closely with economists to determine software requirements
- receive a limited amount of guidance from an intermediate level engineer who used to work on these experiments
- work remotely!

Skills
A successful applicant either has or is willing to learn the following skills:

- back-end programming: primarily done in Python, using the oTree web framework (which sits on top of the Django web framework)
- front-end programming: in Elm, a front-end compile-to-Javascript language with a Virtual DOM solution that is similar to React's and is known to inspire and be inspired by Redux
- version control using git, submitting pull requests to and getting constructive feedback from the engineer who used to work on these experiments
- design: working with economists to understand the data they need to collect in order to come up a experiment-based web solution

Qualifications

- Completion of second year coursework in computing science or equivalent
- The ability to effectively work independently.
- Web development experience, and experience working in Python, Django, and/or Elm are highly desirable.

Compensation
This position will be funded through USRA and SSHRC funding. See http://www.sfu.ca/dean-gradstudies/awards/undergraduate-awards/social-sciences-awards.html for more information.

Application
To apply, please send Prof. David Freeman (david_freeman@sfu.ca) a statement of interest, a complete undergraduate transcript, and (if available) a portfolio demonstrating your past programming projects. Specify whether you prefer a full-time or part-time appointment.