Graduate Student Summer Internship – STEM Portal

This full-time summer internship will take a closer look at the current UC Davis STEM Portal (stem.ucdavis.edu) and work completed from a Fall 2019 CURE course to further analyze and create solutions to maximize usability, search functionality, and full representation of offerings at UC Davis. This internship is appropriate for graduate students with strong analytical, computational and writing skills from all programs.

The STEM Portal serves as a single point of entry for cataloged information related to science, technology, engineering, and math initiatives, clubs, programs, and related opportunities. However, there are known gaps in the Portal. This internship will focus on honing in on the identified gaps in STEM program and service delivery at the University. What is the current landscape of offerings on campus (academic, clubs, etc.)? What might be missing and why? Using various computational techniques combined with close reading this internship will identify the intersection of what is being offered and how it is communicated to audiences across campus.

The internship will culminate with a curated dataset and written narratives (slides, one-pagers, high-level statistics) to aid University representatives in discussing and strategically planning options for further development of the site and engagement of students in applicable research.

This internship position will work closely with the DataLab: Data Science and Informatics team and the STEM Strategies Group to discuss their findings and how best to present to a wide audience. If available the internship position will participate in DataLab team meetings, and is invited to guest TA workshops for additional leadership, cross-training, and facilitation experience. Work can be completed remotely with periodic virtual check-in meetings.

Interested students must possess skills in the following areas:
- Fluency in a high level programming language (R preferred)
- Understanding of web scraping processes and ability to write and run code to pull information across multiple UCD sites.
- Proficiency in text mining and familiarity with natural language processing.
- Strong data analytics skills to interpret themes and outcomes of text mining and topic modeling findings.
- Strong written communication skills to translate data into accessible high-level reports and visuals for a diverse audience.
- Self-motivated to approach computational challenges and learn and discover the depth and breadth of STEM programs and offerings at the University.
- Comfort working independently with regular team updates and progress reports.
- Ability to receive feedback and pivot areas of focus to emerging needs.

The summer internship is full time from June 15, 2020 to August 31, 2020. The internship is accompanied by a stipend not to exceed $6,000 for work completed. The stipend will be distributed in monthly increments.

To Apply: Interested students should submit their resume via email to **ersilva@ucdavis.edu** no later than **June 1, 2020** for consideration. In the email, include a short personal statement about why you are interested in this internship position. Selected students will be contacted by June 5th to schedule an interview the week of June 8th.