



GRA(Business/Engineering)

SALARY: See Position Description

OPENING DATE: 05/13/20

CLOSING DATE: 05/29/20 11:59 PM

DESCRIPTION:

Title: Graduate Research Assistant
Position Number: pending
Hiring Unit: Hawaiiinuiakea to work at Shidler College
Location: Manoa
Date Posted: May 13, 2020
Closing Date: May 29, 2020
Salary Information: Step 8: \$22,140 annual
Monthly type: 11 month (fall semester 2020 with possible continuance)
Full/time/part time: Part time – Full time equivalency 50%
Temporary/Permanent: Temporary
Funding: NHEP Federal Grant

Other conditions:

To begin August 2020. Renewal dependent upon satisfactory performance, program needs, and availability of funds.

Research Project Description:

Shidler College of Business in partnership with Hawaiiinuiakea is seeking a graduate assistant to work directly with Professor Shirley J Daniel, at the School of Accountancy. The research is a joint project with the College of Engineering to deploy innovative machine learning/artificial intelligence expertise to address important and urgent economic policy and firm level business decisions. The project is motivated by recent developments that highlight the need to examine relationships between business and economic policy decisions in Hawaii in light of the Hawaii's over-reliance on tourism. We will develop decision models to examine firm level business decisions for superior competitiveness as well as risk mismanagement to mitigate the vulnerabilities and inevitable adverse impact of natural disasters, climate change and future pandemics. While there is a large literature on business modeling and decision-making relating to business competitiveness, renewal and restructuring, existing studies do not typically consider the unusual circumstances of COVID-19 and the special economic, geographic, and cultural characteristics of Hawaii. In this project, we aim to develop a decision-making framework, tailored to Hawaii, to help local policy makers and businesses to navigate through and beyond the current crisis.

The proposed project will consist of the following tasks and deliverables:

1. Data collection, organization, literature reviews and writing paper drafts.
2. Modeling and algorithm development.
3. Development of an open-source online platform to make individualized recommendations to businesses

Duties and Responsibilities:

1. Work with the faculty team to conduct literature reviews, data collection and organization, computer analysis and writing results in paper drafts
2. Collect financial data on business decisions and revenues from UH business databases, such as DataStream, D&B, Bloomberg, and PrivCo as well as news and government sources and library publications
3. Collect data from the external environment concerning tourism, trade, transportation, consumer behavior and economic statistics, and from public health and environmental databases from UNCTAD, the World Bank, WHO and CDC and other sources to examine relationships between external elements and business decisions and outcomes.
4. Various other activities as indicated as the research evolves

Minimum Qualifications:

1. Currently enrolled Master or Doctoral student in accounting, business administration, engineering, computer science, law, public policy, economics, Hawaiian Studies or other related fields at UH.
2. Ability to clearly communicate in English, including reading, writing and speaking.
3. Ability to use Microsoft Office suite programs
4. Knowledge of basic quantitative data analysis methods and ability to organize data sets in to csv and excel files and perform basic analysis of the data
5. Interest in learning about concepts of business strategy, competitiveness, business restructuring and financing, and risk management
6. Ability to work independently and as part of a team.
7. Possess strong organizational skills.
8. Must meet Graduate Assistant eligibility requirements of the UH Manoa Office of Graduate Division.

Desirable Qualifications:

1. Knowledge and experience working with Native Hawaiian communities, Hawaiian language, and culture.
2. Ability to conduct independent research.

3. Ability to work with surveys and compile data in a meaningful manner
4. Programming such as Python (preferred), Matlab, C, and C++

To Apply: Forward the following documents via email attachment by the deadline to Shirley Daniel:
sdaniel@hawaii.edu.

- Cover letter describing past experience, goals of your current graduate study and reason for interest in the project,
- Resume with names and email or phone contacts of 3 references,
- Recent transcripts.

Should you have any questions please contact Shirley Daniel at sdaniel@hawaii.edu.

EEO/AA, CLERY ACT, ADA:

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Employment is contingent on satisfying employment eligibility verification requirements of the Immigration Reform and Control Act of 1986; reference checks of previous employers; and for certain positions, criminal history record checks.

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, annual campus crime statistics for the University of Hawai'i may be viewed at: <https://ope.ed.gov/campusafety/#/>, or a paper copy may be obtained upon request from the respective UH Campus Security or Administrative Services Office.

In accordance with Article 10 of the unit 08 collective bargaining agreement, bargaining unit members receive priority consideration for APT job vacancies. As a result, external or non BU 08 applicants may not be considered for some APT vacancies. BU 08 members with re-employment rights or priority status are responsible for informing the hiring unit of their status.

Accommodation Request: The University of Hawai'i complies with the provisions of the Americans with Disabilities Act (ADA). Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the EEO coordinator directly. Determination on requests for reasonable accommodation will be made on a case-by-case basis. For further information, please refer to the following link: <https://www.hawaii.edu/offices/eo/accommodation-request/>

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APPLICATIONS MAY BE FILED ONLINE AT:
<https://www.governmentjobs.com/careers/hawaiiedu>

Position #2019-00524
GRA(BUSINESS/ENGINEERING)
KP

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