Hiring Manager Name & Title: Aaron Thomas, Principal Data Scientist – Associate Faculty in Data Science
Department: Enterprise Systems - UFIT Data Management
Title of Internship: Data Scientist & Data Engineer

Brief Description of Internship:
Individual will assist with leveraging student data, reporting products, quantitative methodologies, and business intelligence tool set to solve complex analysis and reporting requests that enable student success.

Specific Duties:
• Review data loaded from traditional databases and non-traditional data sources after completion of appropriate cleaning and blending.
• Develop custom variables (feature extraction), component indices, and quantitative models where necessary to provide insights to the customer.
• Design and implement processes to evaluate reliability, validity, and potential bias in analytic deliverables.
• Data engineering to solve relevant business questions.

Hours Per Week: 10 - 15 hours per week

Hourly Rate: $15 - $20

Qualifications Needed:
• R and/or Python
• Familiarity with rest-APIs
• Structured Query Language (SQL)
• Parametric/non-parametric statistics, machine learning, natural language process (NLP)
• Employs skills such as active listening, empathy, patience, reliability, positivity and flexibility to engage team members to reach a shared goal.

Learning Objectives:
• Develop an understanding of their career field of interest, including the skills, responsibilities, and career trajectory of professionals; specifically by extracting, transforming, and loading data into a warehouse for analysis.
• Examine statistical data, interpret the data, and assess the data.
• Demonstrate openness, inclusiveness, sensitivity, and the ability to interact respectfully with all people and understand individuals’ differences to communicate complex technical information.
• Learn, comprehend, and implement appropriate quantitative and machine learning methods to solve business problems.