

## UF Information Technology

**Internship Title:** Data Scientist / Engineer Internship

**Department:** Data Platform and Analytics

**Work Location:** Ayers building at 720 SW 2<sup>nd</sup> Avenue Gainesville, FL 32601

### **Brief Description of Internship:**

This internship position will assist with leveraging student data, reporting products, quantitative methodologies, and business intelligence tool sets 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

### **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