Nicholas Mobley

706 N Dunn Street, Bloomington, IN, 47408 | 812-369-9318 | [nmobley45@gmail.com](mailto:nmobley45@gmail.com)

**Education(2017-Present)**

**Indiana University**

Bachelor of Science, Major GPA: 3.44/4.00

Majors: Statistics, Computer Science

Minors: Mathematics

Concentration: Data Science

**Objective:**

* To further my education in Machine Learning techniques, to then do research on interpretations of ‘black box’ models. My goal is to someday have Neural Networks be as interpretable as Ordinary Least Squares Regression.

**Course Work:**

* Applied Linear Models: Course that covers simple and multiple linear regression as well as non-linear models such as GAM and Neural Networks.
* Data Analysis and Mining: Course that covers discovering patterns in large data sets, as well as providing experience in different data tasks, clustering, classification, and prediction.
* Probability Theory: Course that covers mathematical foundation for statistical concepts such as Exponential Family Distributions, Central Limit Theorem, Random Variables.

**Programming Skillset:**

* Proficiency in Python, R
* Intermediate skill Java
* Some experience JavaScript, HTML/CSS, SQL.

**Job Experience**

**Undergraduate Assistant(2019-Current)**

* Assistant for Intro to Computing course. Primary responsibility includes helping students learn fundamental programming techniques with Python.

**Data Analysis Intern Liberty Mutual Insurance (Summer 2020)**

* Performing data analysis for the Compliance department to find violations of compliance from different departments within the company.
* Main goals are to build predictive models to spot potential violations so we can rectify any issues before violations.

**Projects:**

* Data Analysis on the relationship of Motor Skills and Social Deficits of children with social disorders, with data provided from Kenney Krieger Institute
* All projects can be found on my GitHub <https://github.com/njmobley>