

Dillon Koch

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EDUCATION

The University of Iowa, Tippie College of Business

Graduation: December 2019

BBA, Business Analytics

- Cumulative GPA – 3.83/4.00
- Software and Programming Languages: Python, R, SQL, PowerBI, and Tableau
- Relevant Coursework: Analyzing Data for Business Intelligence, Applied Linear Regression, Computer Science I, Data Mining, Database Management, Statistics for Business, Visualizing Information

Pytorch Scholarship Challenge from Facebook

November 2018 – January 2019

- Received a scholarship to participate in an online course teaching Pytorch, a deep learning framework
- Created feedforward, convolutional, and recurrent neural networks with large and complex datasets

WORK EXPERIENCE

Data Science Intern

May 2019 - Present

Collins Aerospace, Cedar Rapids, IA

- Researched new methods for implementing explainable artificial intelligence agents
- Created a web-scraping Python program to detect and concisely summarize security-related news about the company and its products by searching Google and monitoring specific websites

Data Management and Analysis Student Assistant

August 2018 – May 2019

University of Iowa Academic Support & Retention, Iowa City, IA

- Designed an interactive Python program to generate customizable data visualizations about student responses to the University's annual Excelling@Iowa survey, given to freshmen and new transfer students
- Integrated R code with PowerBI to visualize the effect of Academic Support programs on students' GPA
- Clearly communicated analysis to university departments through presentations and written reports

IT Data Warehouse Business Intelligence Intern

Summer 2018

Alliant Energy, Cedar Rapids, IA

- Used development tools such as Oracle and IBM Analytics for ETL processes, reporting, and analytics
- Performed internal IT projects related to measuring and monitoring Business Intelligence systems
- Visualized data using Python to describe company operations to employees and stakeholders

KAGGLE EXPERIENCE

- Participated in machine learning competitions and posted kernels of Python code displaying my work
- Applied supervised learning algorithms such as xgboost, random forests, regression, kNN, and more
- Placed in the top 15% of a competition with about 10,000 people by building a bagging classifier that used data about Titanic passengers to predict their survival; www.kaggle.com/dillonkoch18

EXTRA-CURRICULAR ACTIVITIES

Alpha Kappa Psi Professional Business Fraternity

February 2017 - Present

- Selected as one of 24 students, out of over 120 applicants, through a multiple-interview process
- Took part in weekly meetings to grow professionally and learn how to network appropriately
- Participated in service and brotherhood events, such as *Sole Hope* and *Adopt-a-Highway*

On Iowa! Student Leader

Fall 2017

- Guided over 30 incoming freshmen as a Student Group Leader during the 2017 On Iowa! program, introducing new students to the University of Iowa