

Chelsea Harding

Instructor

Utah State University | Jon M. Huntsman School of Business
Department of Data Analytics and Information Systems
3515 Old Main Hill | Logan, Utah 84322

Education

MS, Utah State University, 2023
Major: Data Analytics and Information Systems
BS, Utah State University, 2021
Major: Integrated Studies

Academic Positions

Instructor, Data Analytics and Information Systems, Utah State University, 2023-Present
Mentor, Analytics Solutions Center, Utah State University, 2023-Present
Teaching Assistant, Data Analytics and Information Systems, Utah State University, 2020-2022
Orientation Leader, Student Orientation and Transition Services, Utah State University, 2019-2021
Peer Mentor, Student Orientation and Transition Services, Utah State University, 2020-2021

Teaching

Instructor and Co-Course Developer – DATA 5400: Visual Analytics
Spring 2024 – Present, Utah State University, Logan Utah
Average class size: 50
Instructor – DATA 3500: Introduction to Python Programming
Spring 2023 – Present, Utah State University, Logan Utah
Average class size: 40 – 80
Instructor and Content Creator – DATA 3500: Introduction to Python Programming Online
Spring 2023 – Present, Utah State University, Logan Utah
Average class size: 50 - 120
Instructor – DATA 3400: Data Visualization in Tableau
Fall 2023 – Present, Utah State University, Logan Utah
Average class size: 30 – 40
Instructor – USU 1010: University Connections
Fall 2023 – Present, Utah State University, Logan Utah
Average class size: 30
Teaching Assistant – DATA 3100: Making Decisions with Data
Spring 2022, Utah State University, Logan Utah
Recitation Leader – MATH 0995: Calculus I
Spring 2021, Utah State University
Recitation Leader – MATH 1210: College Mathematics Preparation
Fall 2020, Utah State University

Mentoring

Project Co-Mentor – Analytics Solutions Center

Project Partner: Center for Nutrition Studies, Utah State University, Logan Utah

Students on Project: 2

Project Description: The Center for Nutrition Studies at Utah State University used the ASC to create better visualizations for their data so it could be communicated clearly and concisely to their customers. Python and Tableau were used to create better data visualizations, and students used techniques learned from mentors to tell the best data story in the clearest way.

Project Mentor – Analytics Solution Center

Project Partner: Jon M. Huntsman School of Business, Utah State University, Logan Utah

Students on Project: 4

Project Description: The USU Huntsman School of Business Dean's office gave the ASC historical admission data. The data includes information on students' enrollment, majors, 15-day status, and other relevant information. The Dean's office wanted to know what type of students are coming to USU. We ran comprehensive analysis to determine the target audience for the business school's recruiting efforts and created a Tableau dashboard to communicate key attributes of that target audience.

Project Co-Mentor – Analytics Solution Center

Project Partner: Entrata Property Management, Lehi Utah

Students on Project: 4

Project Description: Entrata offers cutting-edge software solutions to the property management industry. The company holds vast repositories of apartment data nationwide. This project aimed to leverage machine learning to predict rental rates based on a comprehensive set of amenities. The objective was to establish a more accurate and data-driven framework for landlords to determine optimal rental rates.

Service

Advisor/President, HackUSU, Utah State University, 2019 – Present

Advisor, Association for Information Systems, Utah State University, 2023 – Present

Advisor, USU Spikeball Club, Utah State University, 2023 – Present

Member, USU Student Alumni Association, Utah State University, 2019 – 2020

Member, USU Association for Computing Machinery – Women, Utah State University, 2018 – 2020

Projects

HackUSU, Utah State University, Logan Utah

2019 – Present

Project Description: HackUSU is a 24-hour collegiate hackathon that typically hosts over 400 students, professionals, recruiters, and faculty from across the Intermountain West. Each year, HackUSU as an organization raises over \$25,000, awards 18 out of over 100 student projects, and hosts 20 workshops on average. Due to the COVID-19 pandemic, HackUSU did not happen during the 2020 or 2021 academic years. Through dedicated work, I brought HackUSU back in full swing, reaching nearly the same numbers in attendance after one year as the event had ever gained. With this migration, the event is now in a more sustainable format, has improved student retention, sponsor interest, and overall enjoyment. HackUSU continues to grow and become more of a platform for student experiences, engagement, and learning.

Other Professional Work Experience

Computer Technician, Space Dynamics Laboratory, Logan Utah, May 2021 – December 2022
Head Coach, Cache Valley Ballroom, Preston Idaho, August 2018 – March 2020

Technical Skills

Python, AWS, Cloud Computing, Linux, JSON, Java, JavaScript, HTML, CSS, R, Tableau Desktop, Tableau Prep, Web Scraping, Canvas, Microsoft Word, Microsoft Excel, Adobe Photoshop, Adobe Acrobat, Jira, Git, DUO MFA, Microsoft Active Directory, hardware repairs

Certifications

Tableau® Desktop Specialist, 2023
Dell Laptop/Desktop Technician Certification 2022

Awards/Achievements

Graduate Student of the Year:
Data Analytics and Information Systems, Utah State University
Year Received: 2023
Dean's List: Utah State University
Years Received: 2015, 2020
Outstanding Sophomore:
Computer Science, Utah State University
Years Received: 2020

References

Available upon request