Alexander McWilliams

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EDUCATION|

Bentley University, Waltham, MA
Candidate for Bachelor of Science, Data Analytics, May 2021
Major G.P.A. 3.68
Honors: President's List (3.7+ GPA), Dean's List (3.5+ GPA); Honors Program

RELEVANT COURSEWORK|

HNR 440 – Honors Capstone (Data Analytics Track)   Fall 2020/Spring 2021
- Developed, in the fall, a comprehensive research project regarding text analysis & Natural Language Processing (NLP)
- Analyzed reddit.com comment data with RStudio packages textmatch and quanteda to gauge sentiment based on presumed user gender. Attempting to predict upvote/downvote ratio using summary statistics.

CS350 – Database Management Systems   Spring 2020
- Constructed, with a small team of students, a database modeled on homestay.com's internal data using Oracle
- Explored the theoretical and practical aspects of DB management by utilizing ERD and EERD mapping diagrams, ascribing relationships (one-to-many, many-to-many,) to different portions of the database structure

PROFESSIONAL EXPERIENCE|

Tiffany & Co., Parsippany, NJ   May 2019 – July 2019
Operations Associate
- Utilized RF Scanner technology to communicate inventory status to Tiffany & Co. WMS, keeping a detailed record of production and units to ensure an efficient flow of operations in the warehouse
- Worked on a closely knit team to train new hires in the "merchandising preparation" program, where we oversaw the ship-to-store readiness of items ranging in price from $500 - $300,000

Docutrax, Parsippany, NJ   January 2017 – June 2017
Assistant Account Manager
- Reached out daily to 30-50 tenants of insured properties to request Certificates of Insurance (COI) while continually communicated with tenants through email correspondence and faxes
- Worked closely with insurance account managers from Facebook/Hines, Synergy, UrbanEdge, and Athena Property Management to efficiently procure COI's, and maintain positive relations

SUMMER 2020 PROFESSIONAL DEVELOPMENT| (DUE TO COVID-19)
- Committed approximately 20 hours per week to Berkeley's CS61a – 'Structure and Interpretation of Computer Programs' course to strengthen my Python fundamentals and learn more about Computer Science as a whole
- Helped introduce a close friend who had no previous software background to programming with RStudio
- Read approximately 15 books from varied genres to strengthen my personal and professional self, including:
  - J. D. Salinger's *Catcher in The Rye*, a classic bildungsroman I'd somehow never picked up before
  - David Schwartz's *The Magic of Thinking Big,* discover a new lens on 'thinking big' & setting oneself up for success

LEADERSHIP/EXTRACURRICULAR EXPERIENCE|

Haptics Research Assistant - Bentley University   (2019-Present)
- Currently exploring the effects of a user's artistic experience of touch using Tanvas, a sophisticated touch-screen device that allows users to ascribe custom levels of friction to predefined areas of the device

Resident Assistant - Bentley University   (2019-2020)
- Connected with residents on an interpersonal level, facilitating a healthy and engaging floor environment

Tour Guide - Bentley University   (2018-2019)
- Showcased Bentley University while practicing oral and presentation skills in front of groups of perspective students

TECHNICAL SKILLS|
- Python, SQL/NoSQL, R/RStudio, Microsoft Suite, Adobe Photoshop/Premiere,