

CHRISTOPHER WILSON

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EDUCATION

Bachelor of Science in Software Engineering

Brigham Young University-Idaho

Graduation: Spring 2020

Rexburg, Idaho

Relevant Coursework: Machine Learning (Python, R, Create ML), Data Science (Python, R, ggplot, tidyverse), Object-Oriented Programming (C++), iOS Mobile Development (Swift), .NET Development (C#, MongoDB), Database Design and Development (SQL, PSQL, SQLite)

PROJECTS

Data Wrangling and Visualization Coursework

- Analyzed and tidied numerous datasets to find new and interesting correlations from business simulations.
- Leveraged R in RStudio with the tidyverse library (ggplot, dplyr, etc.) to wrangle new data and create visualizations
- Emphasized the importance of communicating with visuals to express novel and important ideas to the client and their business
- Learned the value of client interactions and leveraging their domain expertise with my experience in data analytics

Computer Vision Personal Project

- Utilized Python and Pandas, Numpy, OpenCV, and Pafy libraries to create a functional product with minimal effort required from the user
- Created a Computer Vision script to identify hockey players and track their movement in real-time
- Accomplished this project by learning and optimizing two powerful real-time computer vision tools (OpenCV and Pafy)

Anti-Social Media iOS Application Personal Project

- Created an application that helps an individual, via prompts and schedules, track events and personal accomplishments
- This personal growth application was designed to combat the negative and unrealistic comparisons that often accompany modern social media platforms.
- Implemented Geo Location "visits", UIImagePickerController, CloudKit, Push Notifications, and SwiftUI to create a usable, deployable application

Hollywood Storyline Semester Project

- Using various machine learning methods (ID3, Adaboost, Bagging, Keras/Tensorflow Neural Net), predicted movie plot lines given hypothetical production variables.
- Wrangled dense data in order to successfully run the algorithms to achieve an accurate output

WORK EXPERIENCE

Brigham Young University-Idaho

Lead Teacher Aid

March 2016 – Present

Rexburg, Idaho

- Managed other teacher aids to make sure work needs were met and that they were meeting the needs of the professor while putting a priority on their education.
- Worked with professors daily, to help them overcome the challenges of organizing and instructing hundreds of students each semester
- Conducted research with a professor of religion to investigate interpretations of a late 1800s publication.

The Hickory

Waiter

July 2017 - August 2018

Rexburg, Idaho

- Served and waited on tables in popular local restaurant
- Greeted and served customers on a daily basis in order to find ways to best meet their needs and create a positive and memorable experience
- Helped open new restaurant location as a lead waiter