CHRISTOPHER WILSON

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# EDUCATION

**Graduation: Spring 2020** *Rexburg, Idaho*

**­­Bachelor of Science in Software Engineering**

*Brigham Young University-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, dplyer, 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”, UIImagePicker, CloudKit, Push Notifications, and SwiftUI to create a usable, deployable application

**Hollywood Storyline Semester Project**

* Using various machine learning methods (ID3, Adaboost, Bagging, Keras/Tensoflow Nueral 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

**March 2016 – Present**

*Rexburg, Idaho*

**Brigham Young University-Idaho**

*Lead Teacher Aid*

* 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.

**July 2017 - August 2018**

*Rexburg, Idaho*

**The Hickory**

*Waiter*

* 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