CHLOE HUANG

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SKILLS

LANGUAGES

- Java
- Python
- HTML/CSS
- VBA
- R
- JavaScript

TOOLS

- Pandas/NumPy
- scikit-learn/TensorFlow/ XGBoost
- Windows, macOS, Linux
- Git/GitHub
- Vlookup, Macros, Pivot Tables
- G Suite/MS Suite
- Adobe Creative Suite
- AutoCAD
- Figma

EDUCATION

Candidate for BASc Management Engineering
Sept. 2019 - Present

RELATED COURSES

Data Structures and Algorithms, Introduction to Computer Programming, Probability and Statistics, Work Design and Facilities Planning.

INTERESTS

Photography, Visual Arts, Cello, Sneakers, Ultimate Frisbee.

EXPERIENCE

JUNIOR DATA ANALYST

Canadian Border Services Agency | Jan 2021 - April. 2021

- Built various **machine learning models** using **scikit-learn, TensorFlow and XGBoost** and applied them to firearms datasets.
- **Automated** the formatting of CSV files using **Python.**
- Generated **dynamic data visualizations** in **Tableau.**

ONLINE LEARNING CONSULTANT

University of Waterloo | May 2020 - Aug. 2020

- Created lessons and practice problems using **HTML, CSS and LaTeX.**
- **Self-managed** and coordinated with professors and professionals to successfully create content for various math courses.

TEACHING ASSISTANT

Kumon | Oct. 2016 - Aug. 2019

- **Mentored** children in the Kumon program and saw improvement in student understanding reflected in homework and classwork grades.
- **Collaborated** with co-workers in the organization of individual student data and curricula.

EDITOR-IN-CHIEF OF YEARBOOK   *Aug. 2018 - June 2019*

- **Managed a team of 40 students** to produce yearbook content ahead of deadlines.
- **Organized** financial details with school principal and design company to reach an agreement on pricing.

PROJECTS

PERSONAL WEBSITE   *Feb. 2021*

- Designed mockups in **Figma.**
- Used **HTML, CSS and JavaScript** to create a responsive and interactive website.

SUDOKU   *April 2020*

- **Independently learned Python** and utilized knowledge to create a Sudoku solver and generator using the backtracking algorithm.

CASE DAY - DATA ANALYSIS   *Sept. 2019 - Dec. 2019*

- Performed on-site **data collection and analysis** in consultation with Bombardier to come to conclusions about rider behavior.
- **Continuously improved** methods of data collection though **process analysis** to effectively and efficiently collect accurate data.

DECISION SUPPORT TOOL   *Sept. 2019 - Dec. 2019*

- Created an **Excel** based scheduling program used to help teams stay organized and on task using **Macros** and **VBA**
- **Delegated** group members and distributed jobs throughout the program creation.