CHLOE HUANG

CONTACT

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SKILLS

LANGUAGES: Java | Python | HTML/CSS | VBA | R | Ruby | SQL

DATA ANALYSIS: Pandas, NumPy | Excel, Vlookup, Pivot Tables | Tableau

MACHINE LEARNING: scikit-learn | TensorFlow | XGBoost | OCR, Pytesseract

TOOLS: Windows, macOS, Linux | Git, GitHub | Microsoft Suite | Adobe Creative Suite | AutoCAD | Figma

EXPERIENCE

JUNIOR DATA ANALYST | Canadian Border Services Agency   *Jan 2021 - April. 2021*

- Pioneered the use of **OCR** and **Pytesseract** to recognize keywords and dates in validating COVID-19 vaccine slips within the ArriveCAN app.
- Built various **machine learning models** using **scikit-learn, TensorFlow and XGBoost.**
- **Refined** an existing VBA tool used to automate emails, reducing it's file size by more than 95% and creating a more user-friendly experience.
- **Automated** emails and 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 | Sir John A Macdonald C.I.   *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*

- Used **HTML, CSS and JavaScript** to create a responsive and interactive website.

CASE DAY - DATA ANALYSIS | University of Waterloo   *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 | University of Waterloo   *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.

EDUCATION

Candidate for BASc
Management Engineering
Sept. 2019 - Present

RELATED COURSES

Data Structures and Algorithms, Introduction to Computer Programming, Probability and Statistics, Databases and Software Design