CHLOE HUANG

CONTACT
(647)-877-8033
c275huan@uwaterloo.ca
www.linkedin.com/in/chloe-huang-
www.github.com/c-hloehuang

EDUCATION

University of Waterloo
Candidate for BASc
Management Engineering
Sept. 2019 - Jun. 2024 (Expected)

RELATED COURSES

Data Structures and Algorithms, Introduction to Computer Programming, Introduction to Machine Learning, Databases and Software Design, Principles of Software Engineering

SKILLS

LANGUAGES: Java | Python | Ruby (Rails) | JS/HTML/CSS | VBA | R | SQL/Postgresql

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 CC | Figma | JUnit, Mockito

EXPERIENCE

FULL STACK DEVELOPER | Shareworks by Morgan Stanley   *Sept. 2021 - Dec. 2021*

- Utilized **Java**, **React** and **SQL** to develop and improve a client-facing software, reducing the need for live Jira tickets by 20%.
- Composed **unit tests**, **integration tests** and **UI tests** to automate and streamline the software testing process.
- Collaborated with co-workers through **pair-programming** and mobbing techniques to successfully deliver clean and functional production code.
- Worked in an **Agile** environment.

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,** resulting in upwards of 90% accuracy rates.
- Refined an existing **VBA** tool used to automate emails, reducing its 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**.

PROJECTS

PERSONAL WEBSITE   *Feb. 2021*

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

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 through **process analysis** to effectively and efficiently collect accurate data.