

Henry (Hanren) Tu

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Highlight of Qualifications

- **Languages** | HTML, CSS, JavaScript, Python, SQL, Java, C#
- **Tech Stack** | Angular, Node.js, Express.js, Selenium WebDriver, MongoDB, PL/SQL, pandas, Beautiful Soup, Git, Azure, Linux
- **Knowledge** | Agile, Scrum methodologies, software design concepts and patterns
- **Soft Skills** | Collaborative, punctual, result-oriented problem solver and team player

Work Experience

Data Analyst, Deep Visum, Toronto Dec. 2017 - Aug. 2020

- Facilitated web design, including web framework, UI/UX, SEO, and web logo, for a programming languages comparison website [AIDatatool](https://www.aidatatool.com/) (<https://www.aidatatool.com/>)
- Conducted data validation for 150 tables, performed function mapping and code mapping between two programming languages (SQL and Python) for comparison by using Python and MS Excel
- Contributed to the key contents of the website by scripting SQL codes with MySQL for more than 80 application contents and functions
- Supported programming estimates, identified potential problems, and recommended alternative solutions to ensure the web development project finish on time

Projects Experience

Web Development – [Portfolio Website](#) Sept. 2021

- Developed portfolio site with HTML, CSS and JavaScript/Typescript on Visual Studio Code
- Created Express.js framework to implement web functions and animations; deployed the website online through Microsoft Azure and Heroku

Python Web Scraping – Extract IMDb movie information Sept. 2021

- Implemented 4 pages scraping with Selenium
- Created Beautiful Soup framework to parse and extract movie information

Python Marketing Campaign Analysis Sept. 2021

- Created fixed market campaign analysis report by using Python pandas
- Loaded and merged data from multiple sources; created summary statistics with pandas
- Detected and conducted missing value imputation on different variables through sklearn

[Pandas Hands-on](#) (editing an E-book of Data Analysis Crash Course of Python) Jun. 2020

- Conducted data validation, code review and QA with Python to ensure accuracy of the book contents
- Performed table editing, layout design, graphic design and proofreading with MS Excel and Word

Other Experience

Assistant Manager, Banh Mi Boys, Toronto Dec. 2014 - Nov. 2017

- Managed store operations and liaised among partners to reduce labor costs and ensure smooth service

Education

Advanced Diploma: Software Engineering Technology (Co-op) Sept. 2020 - Present
Centennial College, Toronto GPA 4.363/4.5

Main Courses: Programming I, II, Software Engineering Methodologies, Web Interface Design, Advanced Database Concepts, Web Application Development, Software Systems Design

Culinary Management Diploma, George Brown College, Toronto Aug. 2014

Bachelor of Management: Business Administration, Xi'an University of Science, China Jul. 2012