

HENRY DO

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EDUCATION

University of California - Riverside

Bachelor's + Master's Program Computer Science

Expected May 2026

Riverside, CA

- GPA: 4.0

EXPERIENCE

Development Services

Contract Software Engineer

June 2021 – Jan 2022

Mountain View, CA

- Developed scalable web applications using HTML, CSS, JavaScript, and various backend frameworks.
- Automated data scraping and integrated bots with online services and databases.
- Combined 3D models, animations, and audio to enhance user experiences, with 90% positive feedback.

Oddblox LLC.

Blockchain Development co-op program

Sep 2023 – Dec 2023

Charlotte, North Carolina

- Designed and implemented APIs for seamless communication between blockchain applications and external systems, improving data transfer efficiency by 25%.
- Collaborated with developers to integrate blockchain solutions into existing products.
- Implemented security best practices to protect blockchain applications from vulnerabilities, resulting in zero security breaches during the internship.

SKILLS & LEGAL STATUS

- Programming Languages: C#, C++, Python, Java
- Legal Status: Canadian-born Citizen, U.S. Dual Citizen

PROJECTS

RA Allergens

Unity C#, Python, Selenium, requests

<https://www.congressionalappchallenge.us/22-ky06/>

Developed a web scraping application analyzing local restaurant menus for allergens, improving allergen awareness for 500+ users. Implemented robust Selenium automation to identify potential allergens across menus. Won 1st Place in the Congressional App Challenge, presented in the Capitol Building.

AI Agent Training for Flappy Bird

Python, Flask, OpenCV, NumPy, Matplotlib

<https://github.com/Ori2846/FlappyBirdAI>

Implemented a genetic algorithm and neural networks to train AI agents to play the popular game Flappy Bird. Enhanced understanding of evolutionary computation and neural network optimization.

PatentSimilarityNLP

Python, Flask, spaCy, Sentence Transformers, scikit-learn, BeautifulSoup

<https://github.com/Ori2846/PatentSimilarityNLP>

Developed a web-based application to detect and compare the similarity of patent documents using advanced natural language processing (NLP) and machine learning techniques.