

JINHAO XIE

STUDENT/DEVELOPER

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17 year old
motivated, diligent,
and team-oriented
software developer
with a passion in
technology and
programming and its
potential to solve the
world's greatest
challenges

▸ Skills

Python - expert

Java - intermediate

**JavaScript -
intermediate**

React - intermediate

**NodeJS -
intermediate**

Flask - beginner

**HTML/CSS -
intermediate**

▸ Hackathons

Citizen Hacks

Starter Hacks

NSBE Hacks

Hack the Valley 4

▸ Education

A.Y. Jackson Secondary School Sept. 2017 to June 2021

- Coding club member, Engineers Without Borders member, DECA club member, Math club member, and Fitness club member
- Courses taken outside of school: Harvard's CS50 Introduction to computer science and MIT's 6.00x Introduction to computer science with python

▸ Activities

Junior Achievement · Full stack developer Oct. 2019 to Current

- Attend weekly meetings to discuss progress made by various departments
- Participate in the design and development process of the web app
- Hosting a League of Legends tournament (planned to have 80 attendees)

Canada Learning Code · Technical mentor Feb. 2019 to Current

- Volunteering at workshops hosted for kids, teens, and women throughout Canada
- Helping teach technical skills to participants in small groups (both syntax and logic)
- Learning how to teach programming concepts to other people

▸ Projects

Stackd

- Looking-for-group web app (LFG) that focuses on creating an inclusive and non-toxic gaming environment for underrepresented groups of individuals
- Utilizes React JS, HTML, CSS, Fast API, AWS, Riot API, and flask
- A discord bot was coded as part of discord aspect of the web app

YouTube Audio/Video Download

- Script that inputs YouTube links and downloads them automatically
- User is given choice of single vs multiple downloads and mp3 vs mp4
- Selenium (web automation tool) and Python were used to program it

Unbeatable tic-tac-toe

- Computer Tic-Tac-Toe player that cannot be beat
- Utilizes the minimax game theory algorithm
- Used Python to program it

Accentuate

- Created a web app that analyzed and provided feedback on a user's accent
- Utilized Google Cloud's speech to text and text to speech APIs
- Firebase was used to host the website, and it was created at NSBE Hacks

Facial recognition

- Program that utilizes computer vision to detect facial features. Added feature is comparison with detected face with trained models
- Draws rectangles/boxes around identified faces/facial features
- Utilized OpenCV and Python to program and run