

# Wilson Tu

Student at California State University, Fullerton majoring in Computer Science graduating in Spring 2022. I am passionate about software engineering with an emphasis on full-stack development and AI/ML development. I am always eager to learn and expand my knowledge of different technologies.

## Contact

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## Education

**California State University, Fullerton**

B.S. Computer Science  
August 2020 - Spring 2022

## Skills

### Languages:

C++/ C#  
Java  
Python  
Javascript/Node.js  
MySQL/ PostgreSQL  
PHP

### Technologies:

Web Development  
Visual Studio  
Web-Crawling  
Rest APIs  
Android Studio  
Django  
React  
GraphQL  
Git/Github

## Work Experience

### Software Engineer Intern | Onntek

June 2021 - Present

- Developed and implemented web applications using MERN stack.
- Managed responsive web design and created high and low fidelity design prototypes.
- Designed wireframes & prototypes utilizing Figma.
- Built and maintained scalable software products and applications across multiple platforms.
- Focused on building the front-end through appealing visual design.

### Software Developer (Freelance) | Fiverr

August 2019 - October 2020

- Engaged in full-stack development to build web applications.
- Worked closely with clients to quickly meet deadlines and requirements.
- Created custom applications in multiple different languages.
- Optimized applications by converting Javascript code to ES6 standards.

## Personal Projects

### Self-learning Flappy Bird AI using NEAT:

- Implemented the Python NEAT (NeuroEvolution of Augmenting Topologies) module to create an artificial neural network that can be used to teach itself to play Flappy Bird.
- The algorithm relies on fitness functions that computes the quality of individual genomes to reproduce more fitted generations/offsprings.

### Global Covid-19 Web Tracker

- A simple tracker application using Mathdroid's Covid-19 API. Tracker will show a real-time updated visualized chart using Chart.js, React Hooks, Material UI, and API data fetching.

### Plant Partner Android App

- This application pairs users with a plant and includes a care tracking feature. It was built using Android Studio.
- Users can take a quiz and receive a personalized plant pairing, then can log all their plants into a care tracker that allows the user to organize and consolidate all their plant needs.