

Winsor Tse

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EDUCATION

Fordham University, Bronx, NY
Bachelor of Science, Computer Science
Overall GPA: 3.6/4.0

Aug 2018 — Dec 2021

SKILLS

- C++, Java, Python, MySQL
- JavaScript, HTML, CSS, PHP
- React.js, Next.js, Node.js
- Linux/Unix, Windows
- Autodesk Inventor, AutoCAD
- Gdevelop, Minecraft Modding

EXPERIENCE

Fordham University

Software Engineer Intern — Autograder Program

Jul 2021 — Aug 2021

- Developed C++ & Python programs for grading data structures labs, reducing 20% of professors' workload.
- Created robust test cases to check for coding style, memory leaks & runtime complexity.
- Implemented unit & integration testing & resolved newly uncovered bugs.

ID Tech Camps

Jun 2020 — Present

Private Lessons Instructor — Game Design Programming

- Devised lessons to demonstrate the usage of Python, C++ & Java concepts to children aged 6-18.
- Built Java Minecraft modding projects to create custom items & mobs for students & instructors as learning resources.
- Designed Minecraft maps using advanced Redstone commands & JSON files.
- Granted the top booked instructor title for ID Tech's Minecraft: Game Design class because of extensive course content.

Fordham University

Teaching Assistant — Data Communications & Networks

Jun 2020 — Present

- Guided over 100 students & assisted with exams & curriculum development.
- Explained networking protocols & other related topics to students during office hours.

Tutor — Computer Science Department

Jan 2019 — Jun 2020

- Assisted over 200 students in tutoring sessions with guided data structures & algorithms exercises.
- Debugged C++ & Java object-oriented programming assignments for syntax, runtime & logical errors.

PROJECTS

GDevelop Platformer Game

- Collaborated with a team of two to create a JavaScript & C++ Ninja level platformer [game](#).
- Programmed event-driven logic for players to dodge rocks, defeat enemies & collect scrolls.
- Designed character's pixel art, movement, scoreboard & damage indicators.

East Asia News API

- Created an API that parses through various popular online newspapers for chinese, japanese, and korean news.
- Designed parsing based on user input and further sectioned information based on violence, disease, and company.
- Utilized node.js and heroku/[rapidapi](#) to display json information such as the title, url, and newspaper.

Bitcoin vs. Ethereum Prices Webpage

- Created a webpage using PHP, CSS, and HTML to fetch prices from two different APIs.
- Implemented recommendations for where to buy and sell BTC vs. ETH by calculating real-time price differences.
- Utilized PHP JSON parsing to implement real-time data from APIs.

ACHIEVEMENTS

Leadership: • Fordham Tzu Chi President (2020-2021) • Eagles Taekwondo Black Belt Instructor (2016- 2019)

Awards: Fordham Loyola Scholarship, Collegiate Science and Technology Entry Program Scholarship, Tzu Chi Scholarship for Compassion, Dean's List