Fei Yuan, Ko

CONTACTS

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WORK EXPERIENCE

Web Development and Software Engineering Intern

Turnon Technology, Taiwan | June 2021 - Aug 2021

- Design the user experience & interface (UX/UI) and build the official website for Turnon Tech.
- Develop a solution for building control interfaces using Knockout.js to enhance the testing process for Industrial Automation Robotic Arms.

Strategic Communications and Web Development Intern

AI For Good Foundation, California | Jan 2021 - May 2021

- Monitor social media fundraising campaigns.
- Research articles and AI datasets, as well as any trends in the AI industry in regards to UN's 17 SDGs.
- Assist development of website and conduct interviews to create monthly newsletters.
- Coordinate projects in the MENA region (ex: Hackathon by PhiScience.)

Cyber Security Research Intern

Modern Microprocessors Architecture Lab | May 2020 - July 2020

- Collaborate with a NYU Tandon Graduate under the supervision of Professor Michail Maniatakos.
- Improve the security of modern PLCs by using binary entropy value and signature comparison to increase the performance of malware detection on such devices. Our Paper was published on Feb 4 in DATE 21

STARTUP PROJECT

- **Founder of Fitegy** *(Sep 2021 - in progress)*
  - A social fitness app where users benefit from a customized, challenged-oriented, and ML-based fitness plan based on simple 5 questions and performances. Users can create challenges, challenge their peers, complete workouts, and share progress to a social community. A reward system is designed to incentivize users to advance. Fitegy will be built with React Native and hosted on AWS. Building MVP myself in progress.

PERSONAL PROJECT

- **ByteMe** *(Sep 2021 - Dec 2021)*
  - A Data Science and Machine Learning based platform where we cluster and summarize different company's privacy policy page to provide useful insights about each user's data at specific companies. A team of 4 developers.
- **Rate My NYU Professors** *(May 2021)*
  - A Chrome extension (390+ users) that displays the ratings and reviews of each professor from Rate My Professors.com on the NYU course registration page and helps students make decisions more efficiently.
- **UManchester Helper** *(Aug 2021 - in progress)*
  - A Chrome Extension I developed with a graduate medical student at University of Manchester that simplifies the browsing experience at several academic websites (more functionalities in development).
- **Malware Separator** *(June 2020)*
  - An open-sourced python program that separates malware files based on their architecture type by extracting metadata retrieved from different malware sites using Virus Total APIs.

ABOUT ME

Enthusiastic techie with a keen interest in web development and UX/UI design. Experiences in product management and event marketing. Full Stack developer and musician.

EDUCATION

New York University (3.89 GPA)

Bachelor of Arts: Major in Computer Science. Minor in Music and Interactive Media. Undergraduate Class of 2023.

SKILLS

- **Front-end:** React, Javascript, Jquery, Typescript, Knockout.js, WordPress, HTML, CSS, Bootstrap
- **Back-end:** PHP, SQL, MongoDB, Express, Mocha Chai testing
- **Programming:** Python, Pandas, Scikit-learn, Java, C++
- **UX/UI:** Figma, InVision
- **Music Tech:** Avid Certified User Pro Tools Certificate, Logic Pro X
- **Graphic Design:** Canva, Photoshop