

Yvan Chu

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EDUCATION

Northwestern University | Evanston, Illinois Expected **Jun 2023**
BS/MS in **Computer Science** | Minor in **Data Science & Engineering** | **Cumulative GPA: 3.95 / 4.00**

Awards: Best Use of Technology (of 18 teams) WildHacks '22, QuestBridge Scholar, APIA Wells Fargo Scholar

Leadership: Vice President of Ayers Residential College, Senior Peer Tutor for Engineering Analysis at ASLA, Peer Mentor for Discrete Math, APIA Scholars Peer Mentor, CS Career Development Mentor

Courses: Wireless Protocol for IOT, Social AR/VR Studio, Agile Development, Human Computer Interaction

SKILLS

Programming: Proficient in Python, JavaScript (MERN), MATLAB, Intermediate in C++, C#, R, bash, SQL

Technologies: React JS, Firebase, NodeJS, Rest API, React Native, Meteor, Twilio, MediaPipe, SocketIO, MongoDB

Language: Fluent in Mandarin

EXPERIENCE

BearRoom | Evanston, IL Mar 2021 — Present
Co-Founder, CEO & CTO

- Recruited, trained, and led 5 engineers to implement *Sushi GO!*, a multiplayer card switching game, as a mobile-responsive Jackbox-style real-time web app using ReactJS/Material UI/Firebase
- Coordinated software engineers, lead UX designer, and CFO to plan weekly agile sprints and product roadmap
- Acquired 100+ monthly active users within the first month of soft launching to play-testers
- Raised \$12,000 in non-dilutive capital as semi-finalist for VentureCat '22, Jumpstart Pre-Accelerator '22, Resident of Northwestern Garage, and Young Entrepreneurs of the Future (YEF '21) of Epoch Foundation

Design, Technology, Research Lab – Northwestern University | Evanston, IL Jan 2022 — Jul 2022
Human-Computer Interaction Researcher

- Spearheading research on enhancing the long-distance friendship building experience by leveraging location-based ice breaking prompts to inspire deeper than surface level conversations, connecting people globally
- Conducted pilot testing with 24 participants to evaluate different methods of prompt response delivery
- Awarded funding for research through Office of Undergraduate Research (OUR) by authoring grant proposal
- Maintaining mobile and web app codebase in Meteor/Blaze/ReactJS for location tracking and prompt delivery

EZClinic | Remote Jun 2021 — Aug 2021
Software Engineering & Product Management Intern

- Designed and developed a cross-platform native application in XOJO as a functional frontend prototype to prevent ICU patients from accidental harm by streaming patient video and alerting nurses of patient conditions
- Conducted need finding with ICU nurses to understand emergency workflow and collect feedback on prototype

WhaleTeq | Taipei, Taiwan Jun 2020 — Sep 2020
Product Marketing Intern

- Scripted, recorded, and produced 10 product marketing videos for ECG hardware and software test solutions
- Pitched user experience and interface design to Product Management for a handheld hospital ECG simulator

PROJECTS

Bumpin Jan 2021 — Mar 2021
Full Stack Web Developer (ReactJS, Firebase, Material UI)

- Implemented a video calling site for remote workers to virtually bump into other workers to socialize and bond, with features including authentication, conditional matching, and minigames to enhance user experience
- Negotiated and collaborated with client group of 6 Masters of Product Design candidates to prioritize features

Anime-lytics Jan 2021 — Mar 2021
Data Engineer (Python, bash, Tableau, Jikan API)

- Compiled and analyzed data on 3800+ seasonal anime from 2001 to 2021 from MyAnimeList using Jikan API
- Cleaned and visualized data on Tableau to describe the quality, source material, and production industry trends

Bi-Directional Tactile Navigation Glove Jan 2021 — Aug 2021
Hardware Implementation and Arduino Library/API (C++)

- Built a 5-vibration motor wearable glove for blind or low vision users as a cardinal navigation interface
- Developed an Arduino library to control the vibration motors independently with variable frequency and patterns
- Won 1st place out of 20 teams and secured \$1,000 in funding through Taipei Medical University's Startup Contest