

Chi-Wei (Willy) Lien

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OBJECTIVE Seeking a software internship where I can apply my knowledge and experience in full stack development and user interface designing

EDUCATION **Purdue University**, West Lafayette, IN December
Bachelor of Science in **Computer Science**, GPA: **4.0**, Dean's Honor List 2024

COURSEWORK Data Structure & Algorithm (current), Computer Architecture (current), Linear Algebra
Object Oriented Programming (Java), Discrete Math, C Programming, Microeconomics

SKILLS **Machine Learning**, **Full Stack Web Development**, Linux
Coursera **Neural Networks and Deep Learning** Certificate
Programming: **Java**, **C**, **JavaScript**, **Python**, **C++**, **SQL**, **C#**, **Unity**, **Git**, **HTML**, **CSS**, **MongoDB**,
Express.js, **React JS**, **Pug**
Interests: **Card tricks**, **Street Magic Tricks**, **Sketching**, **Chess**, **Pixel Art Design**

EXPERIENCE

Undergraduate Researcher May 2022 - Present
Purdue Summer Stay Research Program

- Collaborating with Prof. Vhaduri to develop a **heart biometric model** for user authentication
- Wrote a **35 pages survey paper** to evaluate the limitations and applications of new opportunistic biometrics and their combinations with existing biometrics
 - Chi-Wei Lien and Sudip Vhaduri, “**Challenges and Opportunities of Biometric User Authentication in the Age of IoT: A Survey**” ACM Computing Surveys, 2022 (Under Review)
- Assisted Seung Yeon Paik with her research, “**Lip Emotion-based User Authentication**”

Educational Youtube Creator December 2020 - Present

- Created a [YouTube Channel](#) to teach coding and cybersecurity
 - **27 videos** are currently available; accumulated over **14,000 views**
 - Content covered: Malware design, ARP Spoofing, SQL Injection, XSS, HTML, CSS, JS, Bootstrap, SSH
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INVOLVEMENTS

Engineering Team Lead September 2021 - Present
Purdue Hackers Club

- Leading Purdue Hackers engineering team (a team of five) to build club-related projects
- Organized HammerWars, a school-wide coding competition, and made its [website](#)
- Hosted a school-wide [personal website workshop](#); showed 30 students how to build portfolio websites with HTML, CSS, JavaScript, and Bootstrap

Co-founder, Website Developer June 2021 - Present
Taiwan International Programs And Students (TIPS)

- Built a platform to connect Taiwanese students globally
 - Led web dev team to make the official [website](#) using Pug, CSS, Bootstrap, **JavaScript**, Google Maps API, **Express.js**, and **MongoDB**
 - Utilized Google Maps API to display 150+ student alumni profiles sortable by their university, location, and major
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ADDITIONAL PROJECTS & COMPETITIONS

- **Slime Climb** A mobile game built with **Unity**, **C#** (Available on [Google Play](#))
- **Logue** **HackMIT** 2022 Hackathon: An AI-powered digital speech therapist (using **NLP**)
- **Smiley** An **iOS** journal app that requires users to smile before journaling (built with **Swift**)
- **BoilerTrade** **BoilerMake** 2021 Hackathon: A barter website made for college students
- **B01ler CTF** Won **second** place as a team of 4 among 18 teams in a school-wide security competition
- **Subsistence** **HackMIT** 2021 Hackathon: A platform that connects Taiwanese local farmers and
Farmer Assistant customers