Yi-Chen Lin (he/him)   +1236-777-6823   LinkedIn   yichen.lin.2004@gmail.com

SKILLS

- **Programming:** Python, C, C++, Verilog, C#, Java, JavaScript, MATLAB, HTML, CSS
- **Tool/Framework:** Git, Unity, GitHub, SolidWorks, Visual Studio, React, SQL, Microsoft Office Suite
- **Concepts:** circuit design, electric grid, machine learning, design, algorithms, debugging
- **Strengths:** analytical and organizational skills, problem solving, critical thinking, results-oriented communication, adapation, detailed-oriented, collaboration, innovation, self-directed

EDUCATION

University of British Columbia, Canada   **Expected Graduation: May 2026**
Bachelor of Applied Science - Electrical Engineering   **Dean's Honour List 2022-2023 session**

PROFESSIONAL WORK EXPERIENCE

Junior Electrical Assistant, **Joychime Industrial Corporation,** New Taipei   **June 2024 - July 2024**
- Performed plant operation inspections and handled exception errors, exceeding required standards by 10%
- Facilitated wire connections in electrical equipment assemblies, enhancing production efficiency
- Managed technician reports and documentation, restructuring communication flow among departments and cutting down paper work by 30%

TECHNICAL PROJECTS

Metal Detector Robot, University of British Columbia   **March 2024 – April 2024**
- Designed and optimized circuits for robot functionality
- Programmed microcontrollers using **C** and ***assembly language*** for seamless operation
- Mastered laboratory equipment for thorough testing and quality assurance

Collect-Coin & **Space-Shooter** Unity Game, Self-Managed   **June 2024 – July 2024**
- Developed and deployed 2D games using ***Unity***, enhancing user interaction via efficient ***C#*** scripting
- Reduced resource usage and improved gameplay experience through optimized code
- Implemented continuous graphic animations and character controls

YC-Tutorial-Site, Self-Managed   **August 2023 – September 2023**
- Developed a responsive tutorial website using ***HTML***/***CSS***, multi-device accessibility
- Published the website using ***GitHub***, incorporating lightweight **JavaScript** for enhanced functionality

ENGINEERING DESIGN TEAM

Electrical-Power team member, **UBC Sailbot**   **September 2023 - December 2023**
- Managed power distribution systems to meet project specifications and standards
- Built and tested electrical circuits, ensuring reliability and performance
- Diagnosed and resolved issues in electrical components, maintaining system integrity

VOLUNTEER EXPERIENCE

Student Coach, **Moscrop Secondary Badminton Team**, BC, Canada   **February 2022 – June 2022**
- Led practices and guided the varsity team through games, focusing on skill improvement
- Conducted strategic exercises to enhance player performance, securing Provincial championship in 2022

Leadership Team, **Burnaby Neighborhood House,** BC, Canada   **November 2020 – June 2021**
- Organized citywide social networking events, promoting community engagement
- Coordinated teamwork and ensured the safety of all participants

CERTIFICATION

Google IT Support   **2022**
Build Responsive Real-World Website with HTML and CSS   **2023**
Complete C# Unity Game Developer 2D   **2024**