

# YUN-CHI HSIAO

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## PROFILE

A self-motivated upcoming computer science graduate with solid programming background based on three-year experience of accomplishing several challenging. I possess competent problem-solving ability and interpersonal skills. I am also familiar with operating system through applying the concept of C Language and have a good understanding of web development from programming various applications.

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## EDUCATION

**BACHELOR OF SCIENCE: COMPUTER AND SOFTWARE SYSTEM**

Expected in 07/2022

**University of Melbourne**, Melbourne VIC

*The grade of Major Subjects:*

- Object Oriented Software Development - H1 (89)
- Algorithm and Data Structure - H1 (86)
- Software Modelling and Design - H1 (80)

**HIGH SCHOOL**

11/2018

**Glen Waverley Secondary College**, Melbourne VIC

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## PROGRAMMING KNOWLEDGE

- **Language:** JavaScript, Ruby, Java, C
- **Framework & Library:** ReactJS, Ruby on Rails
- **Database:** SQLite3
- **Tool:** GitHub, Jira, Confluence, Figma
- **Algorithms and Data Structures:** Array, Linked-list, Binary search, Hashing, Sorting
- **Web Development:** HTML, CSS, JavaScript, ReactJS, JSON, Material UI, Bootstrap
- **Network:** TCP, UDP, OSI Model, DNS
- **Operating System:** Processes and Memory management, Cryptography
- **Software Modelling and Design:** GRASP, GoF patterns, Domain and Design model

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## PROJECT EXPERIENCE

**Personal Website:** <https://is0xjh25.github.io>

**GitHub:** <https://github.com/is0xjh25>

**Personal-CRM (ReactJS):**

- Designed and developed a proficient personal CRM web-based application.
- Familiarized with software architecture.
- Applied Figma to create user interface template.
- Participated in user interface design.
- Learnt how to set API to communicate between frontend and backend.
- Experienced team-based workflow and strengthened communication skill.
- Contacted client and understood the client's requirements.
- Handled project management by using Confluence, Jira, and Slack.
- Visit **ConnectTi:** <https://comp30022-yyds.herokuapp.com>

**Shoes Trading Platform (ReactJS):**

- Achieved redirecting URL for visiting different pages via Router

- Simulated a backend server(db.json) to practice GET, POST, PUT and DELETE APIs
- Practiced different external frameworks and libraries to enhance the website
- Maintained authorization level and security
- Visit **PinkyBoot**: <https://github.com/is0xjh25/pinkyboot>

#### **Bitcoin Price Searching Website (HTML, CSS, JavaScript):**

- Used JavaScript to manipulate DOM
- Familiarized with fetching data via public APIs
- Achieved automatic information updating
- Simulated a mock database by using db.json
- Visit **is0xBitcoin**: <https://github.com/is0xjh25/is0xbitcoin>

#### **Activity Searching Application (Ruby):**

- Designed a command line interface
- Practiced Object-relational mapping (ORM) concept
- Familiarized with ActiveRecord querying
- Fetched data from remote sources by using Net::HTTP
- Visit **is0xNextToDo**: <https://github.com/is0xjh25/is0xnexttodo>

#### **DNS Server Management (C Language):**

- Understood DNS packet (via Wireshark)
- Created an analyser for the incoming requests and practiced the socket connection
- Forwarded the client's inquiry to upper DNS server and replied with correct IP address
- Constructed caching feature and multi-threads functionality by pthread
- Visit **DNS Server**: <https://github.com/is0xjh25/dns-server>

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### **WORKING EXPERIENCE**

- **Prime Removalists:** House mover (from Nov 2018 to Jun 2021)
- **Boronia Two-dollar Shop:** Cashier (from Jan 2021 to Jun 2021)

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### **HOBBIES**

- Playing basketball
- Going to gym
- Jogging
- Meditation
- Watching movies

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### **REFERRES**

#### **Itsuki Mabuchi**

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