

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 by utilizing ReactJS and Ruby on Rails.

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

PROGRAMMING KNOWLEDGE

- **Language:** JavaScript, Ruby, Java, C
- **Framework & Library:** ReactJS, Ruby on Rails
- **Database:** PostgreSQL, SQLite3, MongoDB
- **Tool:** GitHub, Markdown, Postman, Jira, Confluence, Figma
- **Algorithms and Data Structures:** Array, Linked-list, Binary search, Hashing, Sorting
- **Web Development:** HTML, CSS, JavaScript, RESTful, MaterialUI, Bootstrap, Regex, JWT
- **Network:** TCP, UDP, OSI Model, DNS
- **Operating System:** Processes and Memory management, Cryptography

PROJECT EXPERIENCE

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

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

BiVote - community forum (ReactJS, Ruby on Rails, PostgreSQL):

- Practiced full-stack development
- Developed an API server by using Ruby on Rails
- Maintained security with JWT, Bcrypt and CORS
- Practiced SQL querying via PostgreSQL database
- Deployed the database, frontend and backend application on Heroku and Firebase
- Visit **BiVote:** <https://is0xbivote.web.app>
- Visit **BiVote-server:** <https://github.com/is0xjh25/is0xbivote-server>

ConnecTi - personal-CRM (ReactJS):

- Familiarized with software architecture.
- Applied Figma to create user interface template.
- Participated in user interface enhancement by using MaterialUI
- Learnt how to set APIa 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 **Connecti**: <https://comp30022-vyds.herokuapp.com>

PinkyBoot - 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 Bootstrap to enhance user interface
- Practiced authorization checking using JS-Cookies
- Maintained authorization level and security
- Visit **PinkyBoot**: <https://github.com/is0xjh25/is0xpinkyboot>

NextToDo - activity searching application (Ruby):

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

DNS Server (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>

WORKING EXPERIENCE

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

HOBBIES

- Playing basketball
- Going to gym
- Meditation

REFERRES

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