

Yilang (Leon) Wu

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Github: <https://github.com/Leon-wyl>

CAREER PROFILE

- Final year distinction average student persuing a degree of Bachelor of Engineering (Honours) (Software).
- Familiar with React technical stack, capable to use Material UI and Ant Design UI framework to develop front-end web applications.
- Eager to learn and practice different programming language and frameworks, interested in acquiring knowledges in different fields.
- Hope to become an outstanding front-end software engineer in the future.

EDUCATION

Bachelor of Engineering (Honours) (Software) Feb 2020 - Dec 2023
University of New South Wales Sydney, NSW

- Current WAM : 79.854 / 100 [DN]
- Related courses: Algorithms and Programming Techniques [HD/94], Computer Networks and Applications [HD/91], Neural Networks and Deep Learning [HD/87], Web Front-end Programming [HD/85], Data Structures and Algorithms [HD/85], Software as a Service Project [DN/83], Data Service Engineering [DN/76], Database Systems [DN/75], Object-Oriented Programming [DN/75].
- Societies: UNSW Chinese Creative Art Club, UNSW CSESOC

High School Certificate Feb 2018 - Dec 2019
Canberra College Phillip, ACT

- Achieved an ATAR of 94.8.
- Achieved High Distinction in Australian National Chemistry Quiz, Distinction in Australian Mathematics Competition.

RELEVANT EXPERIENCE

Intern Dec 2022 - Mar 2023
InterSystems Sydney, NSW

- Localized the company's server-based automated testing platform to a local (Windows) environment, so that every developer in the company has an automated testing platform running locally to perform automated testing on the TrakCare software developed by the company.
- Used HTML, CSS, JS, ObjectScript (the company's proprietary programming language) to modify and customize the front-end and back-end of the test task allocator of the testing system for localization.
- WMIC (Windows command-line management tool) and Windows Task Scheduler are used to enable communication between the virtual machines and the local machine, as well as to execute commands issued by the virtual machines on the local machine.
- Used Perforce (P4V) for version control of the project.

Software Engineering Intern (Frontend) Jan 2022 - Dec 2022
Joidea Group Sydney, NSW

- Participated in the training program which builds a demo game database website and a user authentication system using Reactjs, Umijs (a production framework similar to Next.js) and Ant Design UI framework.
- Involved in the development of a online social platform which creates diversified communication channels amongst university students. The project has been using the previous technical stack.
- Assisted in debug procedures and development of UI/UX related features.
- Assisted in the training program of the company by acting as distinguished representative to share technical knowledges and experience with new interns.

RELEVANT PROJECT

AirBrB Oct 2022 - Nov 2022
Web Front-end Programming UNSW Sydney, NSW

- Using React and Ant Design, implemented a much-simpler version of Airbnb.
- Implemented features of creating/editing/deleting/posting of host listings, searching and viewing of listings with multiple filters, book and unbook of a listing, by using useState, useEffect, useContext hooks.
- Integrated Google Map API and Open Weather Map API as a bonus, to make the web app more useful.
- Github repository: <https://github.com/Leon-wyl/AirBrB>
- Achieved 89/100 marks.

FoodOrderingApp Sep 2022 - Sep 2022
Personal Project Sydney, NSW

- Implemented a front-end of a food ordering web app using React framework.
- Used React Portals to implement the cart modal and used React Context to manage states. A range of hooks is also used in this project (useState, useEffect, useRef, useReducer and useContext).
- Deployed using Netlify: <https://splendid-bavarois-4551cb.netlify.app/>

Student Internship (InternHub) Jun 2022 - Aug 2022
Software as a Service Project, UNSW Sydney, NSW

- This project designed and implemented a front-end back-end separated web app that helps student to land an internship and helps recruiters to hire talents, in group of six.
- Collaboratedly designed the functionalities and pages of the web app according to the requirements, such as searching oppotunities,

- applying for internship and directly communicating with recruiters.
- Using JavaScript, React, Material UI to implemented the authorization pages and logics individually, and collaboratedly implemented the searching pages and applying pages and their logics with front-end teammates.
- As a Scrum Master, planned and led regular scrum meetings and stand-ups, Reordered the sprint list according to the priority, smoothened the communications between different teams, and made sure everyone understand their goals and practice agile development.

Simplee Invoice

Mar 2022 - Apr 2022

Requirements and Design Workshop, UNSW

Sydney, NSW

- This project implemented an e-invoice storage system using a variety of technologies.
- Using JavaScript, React Ant Design UI library and other skills and tools to implemented functionalities of uploading, downloading, listing, filtering and sending UBL 2.1 standard e-invoices.
- Implemented the back end API using Python, Flask, SQLAlchemy and PostgreSQL database.
- Used Heroku to deployed the back end, and used Netlify to deployed front end. Front end website: <https://flourishing-sfogliatella-52e6f9.netlify.app/>
- Front end repository: <https://github.com/Leon-wyl/E-Invoice-Storage-Frontend>; Back end repository: <https://github.com/H17A-Honeycomb/seng2021>

ADDITIONAL EXPERIENCE

Intern

Jan 2020 - Jan 2020

Guangzhou Yuexiu Xingye Real Estate Agent Co, Ltd.

Guangzhou, Guangdong

- Organized more than 3000 archives of real estate contracts from more than 10 different housing estates, as well as sorting and archiving them.
- Recognized by leaders of lines of business and received the invitation of next internship.

Teaching Assistant

Jan 2020 - Jan 2020

China Bestudy Education Group

Guangzhou, Guangdong

- Marked quizzes for about 20 primary school students every day. Tutored in mathematics one-on-one in order to ease the burden on teachers during classes.
- Gave feedback to students' parents about their quizzes results and in-class performance using Wecom every day after class.
- Recognized by teachers and received invitation for next internship.

Intern - Work Experience Programme

Apr 2019 - Apr 2019

Seeing Machines Ltd

Fyshwick, ACT

- Annotated frames of eye blinking behaviour of drivers.
- Operated tests for the products that had not been released.
- Practised programming skills in Python.

Grocery Team Member - Work Experience Program

Apr 2018 - Apr 2018

Coles Supermarket Pty Ltd

Phillip, ACT

- Stocked and cleaned grocery shelves, frozen and dairy cases and maintained back stock in good order.
- Provided good customer service, answered customers' questions about products positions, prices and availability.
- Assisted with updating the prices of goods by renewing price tickets punctually.

VOLUNTEER EXPERIENCE

Director of Sponsorship Subcommittee

Mar 2022 - Dec 2022

UNSW Chinese Creative Art Club

Sydney, NSW

- Communicated with external organizations (other university societies, small business, companies, etc) for cooperation and sponsorships.
- Led a team of four, planned and organized multiple handcraft workshops of 30+ participants.
- Organized regular subcommittee meetings and tasks allocation.
- Interviewed 20+ prospective sponsorship subcommittees.
- Participated in the society website design.

Student Volunteer

Feb 2017 - Feb 2017

International Education Unit - ACT Education Directorate

Canberra, ACT

- Assisted with recruitment of host families for international students by introducing the homestay program to people during Multicultural Festival.

TECHNICAL SKILLS

Programming Language: HTML, CSS, JavaScript, TypeScript, Python, Java, C, Shell Scripting, SQL, Perl, Haskell.

Framework: React, UmiJS, Ant Design, MUI (Material UI), Axios, Redux, Next.js, Express.js, Bootstrap, Flask.

Tool & Software: PostgreSQL, SQLite, MongoDB, Git, Jira, Confluence, Heroku.

Language: English, Mandarin, Cantonese.