# Xiran Yan

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## SUMMARY

Master of Computing (Machine Learning) graduate with a solid academic record, currently working as a software developer at Biometix. Professional journey includes diverse internships, spanning 4 months in Machine Learning research, and 3 months each in frontend and back-end development. Additionally, actively contributing to an open-source project BQAT on UI and documentation.

Critical skills in professional programming, testing and version control with the ability to analyse and solve problems. A team player who is enthusiastic, detail-oriented, and able to communicate and collaborate well.

## PROJECTS

### Habit Tracker Social App--Habital:

A community that could gather friends to build mutual habits and track your own habits.

### Course Search Platform:

An online course searching and planning platform with official ANU Course database based on Android.

## EDUCATION

**Master of Computing** | Machine Learning

**The Australian National University, Canberra, ACT**          *12/2022*

**WAM: 70.75 (Distinction),** Won **$1500** in **rHackathon**

Related Courses:

- **[HD]:COMP6260 Foundations of Computing / COMP6240 Relational Database / COMP6780 Web Development and Design**
- COMP6442 Software Construction / COMP6528 Computer Vision / COMP8600 Statistical Machine Learning

**Bachelor of Engineering** | Software Engineering          *07/2020*

**Southwest Petroleum University, Chengdu, China**

**GPA: 3.93/5.0 (1%**), **WAM: 90+(Higher Distinction)**

**Received National scholarship, Outstanding student scholarship.**

Related Courses:

- Data structures and algorithm analysis/
- Programming Paradigm/Models of software systems

## SKILLS

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|---|---|
| **JS / HTML / CSS** | **GIT Version Control** |
| **Vue.js / React.js** | **Docker Products** |
| **Java / Python / SQL** | **Problem Solving** |
| **Data Analysis** | **Critical Thinking** |
| **Machine Learning** | **Teamwork and Collaboration** |

## EXPERIENCE

### MACHINE LEARNING RESEARCHER                     *07/2022 to 10/2022*

**ML Research Labs | Canberra, ACT**

- 1.Researched and analysed 10 Traditional and Deep Learning Models in Image Harmonisation and deepened related math and statistical knowledge.
- 2.Fixed issues in existing open-available Image Harmonisation codes with problem-solving skills.
- 3.Tested open-available source codes in Image Harmonisation Models by implementing Python and related libraries like NumPy, Matplotlib, Torch and Skimage.
- 4.Communication and reflection on work and study weekly by having regular meetings with the supervisor.
- 5.Wrote a Literature Review on Image Harmonisation in professional Latex format.

### SOFTWARE DEVELOPER                     *11/2023 to now*

**Biometix | Canberra, ACT**

- 1. Responsible for improving UE & UI on BixAssure website and related Test Builder tool by utilizing Vue.js, Ant Design UI and Naive UI.
- 2. Design and develop a new user interface for an open source tool: Biometrix Quality Assurance Tool (BQAT) using Vue.js and Ant design UI library.
- 3. Collaborate with the team to maintain the current service and release new version twice a month with additional features and bug fixes.
- 4. Enhance and modify documentation for an open source tool: Biometrix Quality Assurance Tool (BQAT), ensuring coherence and clarity in technical information.
- 5. Expertise in using Vue.js, Ant Design & Naive UI library, Typescript, Node.js, and Docker for efficient and seamless development processes.

## CERTIFICATIONS

**Qualification of Computer and Software Professional - May 2019**

## AWARDS

**1.National Inspirational Scholarship - 2017**
The highest class of student scholarship in Chinese University.
**2.Outstanding student scholarship -  2017/2018/2019**
Acquired this scholarship every semester.
**3.First prize in the National College Student Yoga Competition - 2018**
Represented the university in attending the national competition.

## ACTIVITIES

1.Represented university accommodation (Bruce Hall) to attend the University Dance Competition.
2.Attended ANU Dance Performance organised by ANU Dance Club.
Participated in ANU KPOP Club and ANU Dance Club.

## REFEREE& PORTFOLIO

Andrea Do - Supervisor (ML Research Lab)
Email: andrea.do@mllabs.com.au

- https://github.com/siyaYan
- https://siyayan1222.wixsite.com/portfoliopiece
- https://www.linkedin.com/in/xiranyan