



JIAJUN YU

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CAREER OBJECTIVE

An enthusiastic computer science penultimate student at the University of Adelaide with coding experience and a strong interest in research aims to tackle real-world problems with the best developers and engineers. Now actively applying internship in the 2022 Summer.

EDUCATION

Bachelor of Computer Science (Advanced) | The University of Adelaide, Australia Mar 2021 – Nov 2023

- Courses: Object Oriented Programming, Algorithm Design and Data Structures, Web and Database Computing, Computer Systems, Algorithm and Data Structures Analysis, Algebra and Calculus (Mathematics), Statistical Modelling and Inference
- GPA: 7.000 / 7.000 (High Distinction Average)

Foundation Studies Program | The University of Adelaide College, Australia Apr 2020 – Jan 2021

- Courses: English for Academic Purposes, Critical Thinking, Math Methods, Physics, Specialist Maths
- Grade: 97 / 100 (Overall Dux)

SKILLS

- **Programming Languages** Java SE | C++ | C# | C | Python | R | MATLAB | Visual Basic
- **Web Development** HTML | CSS | JavaScript | Vue.js | React.js | Node.js | AJAX | MySQL
- **Tools** Git | Vim | Linux (Ubuntu) | Pandas | Matplotlib

WORK EXPERIENCE

Student Researcher | The University of Adelaide, Australia Nov 2022 – Present

- Research Topic: Facilitate the use of code quality feedback tools for novice programmers
- Identify quantitative and qualitative ways to measure quality of authentic student submissions
- Improve Pylint and Hyperstyle to make them more friendly and relevant to code smells of novice programmers

Academic Tutor | JR Academy, Australia Jul 2021 – Present

- Deliver content to enhance university students' understanding in relation to relevant concepts and theories
- Formulate plans to support academic, personal and professional development
- Learn to be more patient, persistent as well as humble and focus on the job at hand

PROJECTS

Socialah | Group Web Development Project | Node.js & MySQL May 2022 – Jun 2022

- A social event planning web app that allows you to create events and ask friends to fill up their availability.
- Skills Gained: Database design | Familiar with web development process (CRUD) | Version control (Git) | Follow plans to perform tasks | Time management | Communicate effectively with group members | Work well in team environment | Work under tight deadlines and pressure
- Video Demo: [Socialah Video Demonstration \(YouTube\)](#)
- GitHub link: [Socialah GitHub Repository](#)

Research on utilising blockchains to improve data security | Individual Research Project Sep 2021 – Nov 2021

- The research improves data security by utilizing Blockchains, IPFS (Interplanetary File System), Merkle tree as well as a special approach to slicing raw data.
- Skills Gained: Independent learning | Review literature | Discuss research methods with others | Present research progress | Write reflection & research reports | Cope with stress | Time management
- GitHub link: [Research on utilising blockchains to improve data security](#)

What are the prevailing attributes of UFO | Individual Data Visualisation Project | Python

Jul 2021 – Sep 2021

- The research identifies and visualizes the characteristics of UFOs (Undefined Flying Objects) by analysing word frequencies of descriptions from eyewitnesses contained in a dataset of 134,421 records.
- Skills Gained: Search for information | Analyse and visualize large amounts of data by Python | Presentation skills | Write reflection & research reports | Communicate with professors, mentors and peers
- GitHub link: [What are the prevailing attributes of UFO](#)

OTHER AWARDS

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| • Adelaide Summer Research Scholarship for 2022-2023 | 2022 |
| • The University of Adelaide Executive Dean's Award for Academic Excellence | 2022 |
| • The University of Adelaide College High Achiever Progression Scholarship | 2021 |
| • The University of Adelaide College Top Student in Overall Dux | 2021 |
| • The University of Adelaide College Top Student in Critical Thinking | 2021 |
| • The University of Adelaide College Top Student in English for Academic Purposes | 2021 |
| • The University of Adelaide College Top Student in Maths Methods | 2021 |
| • The University of Adelaide College Top Student in Physics | 2021 |
| • The University of Adelaide College Top Student in Specialist Maths | 2021 |
| • The University of Adelaide College Academic Merit Scholarship | 2020 |

VOLUNTEERING & EXTRA-CURRICULAR PROGRAM

Volunteer Tutor | Confucius Institute | The University of Adelaide, Australia

Mar 2021 – Jun 2021

- Teach and help non-native Chinese speakers in the university with language difficulties
- Build connections with a wide range of students from different faculties
- Boost communication, time management skills, and accountability

Global IQ Connect Program

Mar 2021 – Apr 2021

- Build and develop inter-cultural communication skills and cultural intelligence through 5-week workshops by engaging with other students of different culture backgrounds
- Skills Gained: Understand the role culture plays in interaction and communication | Develop openness for people from other cultural backgrounds | Gain confidence | Learn to embrace diversity | Teamwork skill

INTERESTS

Java Developing | Web Designing | Blog Writing | Learning New Tech Stack | Researching | Teaching | Running | Swimming | Table Tennis | Listening To Music | Singing | Hanging Out With Friends

REFEREES

- Yang Su | University of Adelaide | Lecturer | yang.su01@adelaide.edu.au
- Ian Wenas | University of Adelaide College | Lecturer | ian.wenas@adelaide.edu.au
- Jiazheng Lin | JR Academy | Marketing Specialist | jjazhenglin03@gmail.com