

Rex Shen

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WORKING RIGHT

Unrestricted - Subclass 485
Temporary Graduate Visa
Expiry: 17/4/2022

EDUCATION

University of Sydney

Bachelor of Computer Science and
Technology(Advanced)(Honour)
Graduated in Dec 2019
Weighted Average Mark 81
First Class Honour

SKILLS

Languages:

Python, Java, C, C++
HTML, JavaScript, CSS
L^AT_EX, Datalog, Bash

Frameworks:

Tensorflow, Android
ReactJS, Django, Spring

Databases:

MySQL, PostgreSQL
Apache Flink, Hadoop

Tools:

Git, Vim, Gradle

COURSEWORK

Algorithms
Network Security
Machine Learning
Mobile Computing

AWARDS

SIT Summer Research Scholarship
Postgraduate High Honour Roll

EXPERIENCE

University of Sydney

Academic Tutor

Mar 2019 – Present

Sydney, Australia

- INFO1110 – Introduction To Programming. (Python)
- INFO1113 - Object-Oriented Programming. (Java)
- Deliver course content to students in a form of small groups, helping them to reinforce the knowledge learned.

Synopsys

Summer Researcher

Dec 2018 – Mar 2019

Sydney, Australia

- Awarded Summer Research Scholarship from USYD School of Computer Science.
- In cooperate with industrial partner to devise a competitive bug checker running static analysis to find Null Pointer Exception in Java programs.

PROJECTS

ClearPay 2019

An Android App for splitting bill between users, supporting offline transactions via Bluetooth. Awarded Best App in the competition held within COMP5216 (Mobile Computing).

Digger 2018

A static analysis tool on finding Java Null Pointer Exception. Programmed in Datalog with support from Doop framework and Soufflé execution engine.

Birds 2018

A Web music player integration, combined resources from multiple music service providers. Built with ReactJS, Redux, Django Restful, AntDesign and deployed in AWS EC2.

CONFERENCES

Explaining Bug Provenance with Trace Witnesses

June, 2020

9th ACM SIGPLAN International Workshop on
the State Of the Art in Program Analysis (SOAP) 2020