

Personal Information

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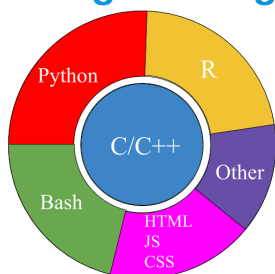
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Programming



OS Preference

GNU/Linux ★★★★★
Unix ★★★★★
MacOS ★★★★★
Windows ★★★★★

Languages

Chinese ★★★★★
English ★★★★★

Overview

I see myself advancing with strong ability, and passion for new technology and academic research. I have three years of working experience in Machine Learning and Software Testing at Microsoft and research institution. Also, I like to write my blog every week to share some of my new readings and findings.

Areas of Interest: Machine Learning, Computer Graphics, Simultaneous localization and mapping (SLAM)

Working Experience

Mar, 2020 - Jun, 2021

Support Engineer

Microsoft, China

The architecture of Azure public cloud to support Machine Learning algorithm, based on different Azure Service such as Azure Data Lake, Azure Batch, Azure Kubernetes, Azure Edge and Azure Networking etc.

Dec, 2018 - Mar, 2020

Algorithm Engineer

Peng Chen Laboratory, Shenzhen, China

Flight Control System Testing for fixed-wing UAV (Ardupilot), 3D Printing

Jan, 2018 - Nov, 2018

Research Assistant (Computer Science)

University of Wollongong, Australia

Metamorphic Testing - Software Testing, Big Data Analysis, Natural Language Processing

Education

Mar, 2021 - now

Master of Statistics and Operations Research

Royal Melbourne Institute of Technology (RMIT), Australia

Mar, 2014 - Dec, 2017

Bachelor of Computer Science

University of Wollongong, Australia

Major in Software Engineering

Mar, 2013 - Mar, 2014

English for Tertiary Studies (Academic English)

University of Wollongong College, Australia

Sep, 2011 - Mar, 2013

Bachelor of Business Management

China University Of Mining And Technology

Publications

2019 **Boyang Yan**, Brian Yecies, Zhi Quan Zhou*: Metamorphic Relations for Data Validation: A Case Study of Translated Text Messages. IEEE/ACM 4th International Workshop on Metamorphic Testing (MET '19), in conjunction with the 41st International Conference on Software Engineering (ICSE '19).

Patents

June 2, 2020 **An automated text difference analysis and verification system/method**
Principal inventor of the patent
China Patent Office Application ID: 202010489931.8

Academy Congress and Conference

May 26, 2019 **Boyang Yan, Brian Yecies, Zhi Quan Zhou* - Title: Metamorphic Relations for Data Validation: A Case Study of Translated Text Messages. (Paper Presentation and Speech)**
ICSE, Montreal, Canada

August 11, 2017 **Boyang Yan - Title: Human Resource Management System based on Web. (Poster)**
IEEE Sections Congress (SC2017), Sydney, Australia

Awards and Achievements

2020 **Microsoft Hackathon Prize** Microsoft, China

2019 **First Aid CPR AED**
American Heart Association

2018 **The best undergraduate final project prize** University of Wollongong, Australia

2018 **Publicly acknowledged in the “Acknowledgements” section of following research paper:** ICSE
2018 D. Pesu, Z. Q. Zhou*, J. Zhen, and D. Towey: A Monte Carlo method for metamorphic testing of machine translation services,” in Proceedings of the IEEE/ACM 3rd International Workshop on Metamorphic Testing (MET '18), in conjunction with the 40th International Conference on Software Engineering (ICSE '18).

2017 **Amateur Radio Operator's certificate of proficiency (Standard)**
The Wireless Institute of Australia (WIA)

2014, 2015 **Undergraduate Excellence Scholarship** University of Wollongong, Australia