Personal Information

Name: Boyang Yan   **Gender**: Male
DOB: July 13, 1993   **Nationality**: Chinese
Blog: yanboyang.com

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Programming

OS Preference
GNU/Linux ★★★★★
Unix ★★★★☆
MacOS ★★★☆☆
Windows ★☆☆☆☆

Languages
Chinese ★★★★★
English ★★★★☆

Overview

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

Areas of Interest: Networking, Machine Learning, Anomaly Detection, Data Visualization, and Analytics

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 services such as Azure Data Lake, Azure Batch, Azure Kubernetes, Azure Edge and Azure Networking etc.
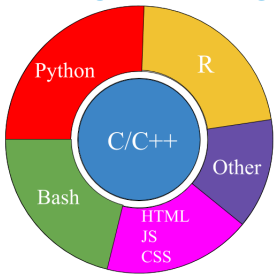
Dec, 2018 - Mar, 2020   **Algorithm Engineer**   Peng Chen Laboratory, Shenzhen, China

Department: Network Communication Research Center
Mesh Network, Flight Control System for fixed-wing UAV (Ardupilot)

Jan, 2018 - Nov, 2018   **Research Assistant (Computer Science)**

University of Wollongong, Australia

Software Testing (Metamorphic Testing), Big Data Analysis, Natural Language Processing

Education

Aug, 2022 - Now   **Master of Statistics (Exchange Student)**

NC State University, USA

Mar, 2021 - Aug, 2022   **Master of Statistics and Operations Research**

Royal Melbourne Institute of Technology (RMIT), Australia

GPA: 3.4/4

Mar, 2014 - Dec, 2017   **Bachelor of Computer Science**

University of Wollongong, Australia

Major in Software Engineering
GPA: Credit

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

Average Score: 93

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 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

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