

Zaidan Sani

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Based in Singapore, Singapore

About Me

Penultimate year Computer Science undergraduate, with a diploma in Cybersecurity. Interested in Software Engineering and Data Analytics, with research experience at the Institute for InfoComm Research.

Experience

Teaching Assistant, CS2030S: Programming Methodology II Jan 2025 - Apr 2025 (expected)

School of Computing, National University of Singapore

- Prepared and executed lab sessions for a class of 24 students

Teaching Assistant, CS1101S: Programming Methodology Aug 2024 - Nov 2024

School of Computing, National University of Singapore

- Prepared and executed studio (tutorial) sessions for a class of 7 students
- Attained a 4.8 feedback rating (out of a possible 5), with faculty average 4.3

Student Researcher Sep 2020 - Feb 2021

Institute for InfoComm Research

- Engineered features for machine learning, such as opcode n -grams from Windows executable files using Ghidra
 - Implemented machine learning and deep learning, improving accuracy on existing model by up to 2%.
 - Awarded a Distinction for the work done during the internship by the school.
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Education

Bachelor in Computing (Computer Science) Aug 2023 - May 2026 (expected)

National University of Singapore

- GPA: 4.82/5.00 (on track for Honours (Highest Distinction))
- Undertaking a focus area in Software Engineering
- Relevant coursework:
 - CS2030S: Programming Methodology II (A)
 - CS2103T: Software Engineering (A+)

Diploma with Merit in Information Security and Forensics Apr 2018 - Apr 2021

Ngee Ann Polytechnic

- GPA: 3.99/4.00
 - Valedictorian of the Class of 2021, School of InfoComm Technology, and CSIT Silver Medalist
 - Relevant coursework:
 - Malware Analysis Tools and Techniques (AD)
 - Ethical Hacking (AD)
 - Secure Software Development (A)
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Projects

NUS StudyBuddy: Collaborative Timetable Planner May 2024 - Aug 2024

Technologies: TypeScript, Firebase, ReactJS, JoyUI, NextJS, Vercel

- Done as a summer project for NUS Computing's Summer Orbital program
- Planned, designed, and implemented the user interface, from ideation to execution
- Implemented back-end systems using Firebase, for authentication and data retrieval
- Implemented CD/CI and automated testing

Splunk SIEM: Cost-effective SIEMs for SOHO offices Oct 2020 - Dec 2020

Technologies: Splunk, Palo Alto Firewall

- Done as a Capstone project at Ngee Ann Polytechnic
 - Designed and implemented a simulation host network of VMs to simulate and detect attacks
 - Configured firewalls to track attacks
 - Configured ingestion and aggregation of logs into Splunk
 - Implemented dashboards for visualisation for a proof-of-concept of actual use in real implementations
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Skills

Programming Languages Python, Java, JavaScript, R, TypeScript

Databases Firebase, Microsoft SQL

Data Science, Machine Learning pandas, numpy, sk-learn

Mathematical and Statistical Tools R, LaTeX

Cybersecurity Malware Analysis, Digital Forensics

Honors and Awards

CSIT Undergraduate Scholarship Aug 2023

National University of Singapore

- Awarded to individuals who are passionate about exploring technologies to advance Singapore's security.

Valedictorian, Class of 2021 May 2021

Ngee Ann Polytechnic

- Awarded for strong academic and co-curricular performance.

CSIT Silver Medalist May 2021

Ngee Ann Polytechnic

- Awarded for second most outstanding performance in the cohort.

A*STAR Science Award (Polytechnic) Jun 2019

*Agency for Science, Technology and Research (A*STAR)*

- Awarded for demonstrating particularly strong aptitude and interest in mathematics and science.

Ngee Ann Polytechnic Scholarship Aug 2018

Ngee Ann Polytechnic Scholarship

- Awarded for having outstanding academic results, strong core values, and leadership qualities.
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Leadership Experience

Executive Vice-President Apr 2018 - Apr 2021

ORION, Ngee Ann Polytechnic, School of ICT

- Led a team of up to 60 people
- Planned and executed flagship outreach events for the school, including IT and programming based competitions for Secondary School students.
- Liaised between internal and external parties, including with outside supporting entities as well as other co-curricular bodies for events.