

# ZAIDAN SANI

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 mzaidanbsani |  zaidansani

Singapore, Singapore

## ABOUT ME

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


## EXPERIENCE

- **School of Computing, National University of Singapore**  Aug 2024 - Nov 2024  
Singapore, Singapore  
*Teaching Assistant*
  - Prepared and executed studio (tutorial) sessions for the introductory programming module at NUS, CS1101S: Programming Methodology
- **Institute for InfoComm Research**  Sep 2020 - Feb 2021  
Singapore, Singapore  
*Student Researcher*
  - Engineered features such as opcode n-grams from Windows executable files using Ghidra.
  - Implemented machine learning and deep learning on features mentioned, improving accuracy on the existing malware classification model by 2%.
  - Awarded Distinction for the work done during the research by the school.

## EDUCATION

- **National University of Singapore** August 2023 - May 2026 (expected)  
Singapore, Singapore  
*Bachelor in Computing (Computer Science) with Honours*
  - GPA: 4.83 / 5.00
  - Minor in Data Analytics
- **Ngee Ann Polytechnic** April 2018 - April 2021  
Singapore, Singapore  
*Diploma with Merit in Information Security and Forensics*
  - Grade: 3.99 / 4.00
  - Valedictorian of the Class of 2021, School of InfoComm Technology

## PROJECTS

- **NUS StudyBuddy: Collaborative timetable planner for NUS students** May 2024 - Aug 2024  
*Tools: TypeScript, Firebase, ReactJS, JoyUI, NextJS, Vercel* 
  - Planned, designed and implemented the desired user interface from scratch from Figma using front-end libraries such as JoyUI
  - Implemented a database using Firebase including authentication
  - Implemented testing and CD/CI for automation
- **Splunk SIEM: Cost-effective SIEM implementation for SOHO offices** Oct 2020 - Dec 2020  
*Tools: Splunk Enterprise, Palo Alto Firewall*
  - Implemented a simulation host network of VMs to simulate attacks.
  - Configured Palo Alto firewall to track attacks and send logs to SIEM
  - Configured aggregation of logs to Splunk
  - Implemented dashboards for visualisation for plug-and-play usage in real implementation

## SKILLS

- **Programming Languages:** Python, Java, JavaScript, R, TypeScript
- **Database Systems:** Firebase, Microsoft SQL Server
- **Data Science & Machine Learning:** pandas, numpy, sk-learn
- **Mathematical & Statistical Tools:** R, LaTeX

## HONORS AND AWARDS

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- **Valedictorian, Class of 2021** *May 2021*  
*Ngee Ann Polytechnic*
  - Awarded Valedictorian for the cohort 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** *Jun 2019*  
*Agency for Science, Technology and Research*
  - An award given to Singaporean Year 2 and 3 Polytechnic students who demonstrate particularly strong aptitude and interest in mathematics and science to spur their passion in scientific research and development.
- **Ngee Ann Polytechnic Scholarship** *Aug 2018*  
*Ngee Ann Polytechnic*
  - An award for all-rounded Ngee Ann Polytechnic students with outstanding academic results, strong core values and leadership qualities.

## LEADERSHIP EXPERIENCE

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- **Executive Vice President** *Apr 2018 - Apr 2021*  
*ORION @ Ngee Ann Polytechnic, School of ICT*
  - Led a team of 60 people to plan and execute events.
  - Planned and executed flagship events for the school - including IT and programming based competitions for Secondary School students

## ADDITIONAL INFORMATION

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**Languages:** English (Native/bilingual proficiency), Malay (Native/bilingual proficiency)

**Interests:** Football, esports, technology, music