

Benedict Soon Duan Zhi



Penultimate Year Degree Student

Leveraging five years of experience in the Air Force, I have cultivated a passion for data analytics. My unwavering passion for data science and machine learning drives me in both academic pursuits and personal projects. I am currently dedicated to earning my Bachelor in Electronics and Data Engineering, poised to make a meaningful impact in this dynamic field.

Contact

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Skills

Coding Languages:

- Python
- SQL
- C++
- C

Knowledge:

- Tableau
- Data Analytics
- Machine Learning
- Deep Learning
- Internet of Things
- CAD
- Arduino

Experience:

- Dashboard creation (Microsoft Excel & Power BI)
- Microsoft Office

Education

BACHELOR IN ELECTRONICS AND DATA ENGINEERING

SINGAPORE INSTITUTE OF TECHNOLOGY | TECHNICAL UNIVERSITY OF MUNICH

Sep 2021 – Present

- **Expected Course Completion:** Apr 2025
- **Expected Degree Classification:** Honours
- **Relevant Project:** Engineered an IoT-based vegetable crop box as part of our Internet of Things (IoT) module, innovatively automating and simulating optimal plant growth conditions. Currently enhancing project with the use of machine learning and data analytics to optimize plant growth processes.

DIPLOMA MECHANICAL ENGINEERING SINGAPORE POLYTECHNIC

Apr 2013 – Mar 2016

- Diploma sponsorship recipient of the Republic of Singapore Air Force (RSAF) Air Force Engineer (Maintenance) Award.
- FYP in Precision Engineering Specialisation, Plastic Injection Moulding.
- Completed a 3-month Overseas Industry Training Programme (OITP) with Chang Chun First Automobile Works (FAW) in China.

Experience

AIR FORCE ENGINEER REPUBLIC OF SINGAPORE AIR FORCE

Mar 2016 – Sep 2021

- **Rank:** ME1-2
- **Achievement:** Outstanding Serviceman of the Year (2020), Outstanding Serviceman of the Month (Oct 2020 & Dec 2019).
- Developed a real-time asset and logistics dashboard with Microsoft Power BI & Excel, resulting in an elevated commanders' awareness, enabling more precise decisions in critical operations.
- Innovated multiple 3D projects aiding in enhancing training and safety, achieving shorter training periods.
- Enhanced, maintained, and prepared daily and monthly command level reports.
- Liaised between flight operations officers and logistical operators in ensuring effective generation of assets for daily operational requirements.
- Programmed a monthly report in Excel using macros, reducing the report's production time from two weeks to mere hours.

Courses

PROFESSIONAL CERTIFICATE IN PYTHON PROGRAMMING

SINGAPORE MANAGEMENT UNIVERSITY

Jan - Jun 2021

Personal Projects

STEM MARKING SOFTWARE

Jun 2023 - Present

- Development of a machine learning and deep learning software using python to expedite marking of Science, Technology, Engineering, Mathematics (STEM) written examination paper with a university peer.

Personal Interests

- Gardening / Horticulture
- Soccer
- Badminton
- Playing of Musical Instruments
- Mixology