

# LOW EERON

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Projects: <https://loweeron99.github.io/loweeron.github.io/>

## PERSONAL PROFILE

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Enjoy learning new things, for example completing Coursea Google Data Analytics course during my summer break in 2022. Have a positive and a can-do attitude. Able to work well in a team and perform under pressure.

## EDUCATION

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**National University of Singapore**  
**Bachelor of Engineering**

**Aug 2020-May 2024**

- Bachelor of Industrial and system engineering Honours  
Minor in Data Analytics
- CAP: 4.16 ( 2nd Upper Class Honours)

## WORK EXPERIENCE

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**Simplifynext, Technology Analyst**

**May 2024 – Present**

- **Automation Tools:** Developed expertise in UiPath and OutSystems, enhancing automation and software development skills.
- **Web Development:** Led the creation of a Non-Gaming Application website for a major client in the entertainment industry using OutSystems, streamlining user experience for online applications.
- **Efficiency Improvement:** Spearheaded the integration of dynamic selections for park and area visits, optimizing the website's functionality and reducing manual effort.
- **Database Optimization:** Engineered an efficient data structure for managing park visit applications, ensuring scalability and ease of maintenance.

**Keystone Cable, Production Engineering intern**

**May 2023 - Jul 2023**

- **Cost Analysis:** Led comprehensive evaluation of BOFA and SRA fume extractors, demonstrating 158% cost savings for BOFA, enhancing fiscal prudence.
- **Error Reduction:** Analyzed ink printer errors, collaborating for 30% reduction through improved setup and training.
- **Data-Driven Insights:** Spearheaded Power BI analyses, uncovering actionable insights for 20% improved decision-making.
- **Predictive Maintenance:** Implemented MongoDB-based predictive maintenance, empowering 15% downtime reduction for heightened efficiency.

**Singhealth , Simulation and data analytics**

**Aug 2022 - May 2023**

- **Developed Accurate Patient Model:** Created a cardiac arrest patient model using Flexsim and Python, achieving an impressive 95% accuracy in replicating Singapore's patient demographics.
- **Optimized Resource Allocation:** Conducted thorough scenario analyses within Flexsim, including analysis of ICU bed capacity, patient diversion to CAC, and varying patient inflow rates.
- **Enhanced Survival Rates:** The insights garnered from the analyses played a pivotal role in optimizing resource allocation strategies, significantly improving overall patient survival rates through well-informed decision-making.

**Defence Science Technology Agency, Administrator****Jan 2020 - Mar 2020**

- Compiled and updated students data in system and manage to remove redundancy by 50%, by using excel knowledge from IE111R module.
- Collaborated with colleagues to set up interview rooms and able to increase efficiency by 30%.
- Interacted and coordinated with students to set interview dates and help reduce overall workload of colleagues.

**SKILLS**

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- Uipath : Robot Process Automation software
- Outsystem: Certified in Associate Reactive Developer (OutSystems 11)
- Google Data Analytics coursera course ( spreadsheets, SQL , Tableau and R )
- Technical Skills : Python | R programming | SQL | Tableau | Power BI | Uipath | Outsystem
- Soft Skills : Team player | Resilient | Eager learner | Diligent | Persistent
- Fluent in English and Chinese ( both spoken and written)

**EXTRA CURRICULAR ACTIVITIES**

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**Table Tennis, Member****Jan 2016 - May 2017**

- Collaborated with fellow peers and competed in National inter-School Table Tennis A Division and gotten top 10.
- Facilitated in organising CCA open house and persuading students to join table tennis.
- Build extensive camaraderie through intensive training and understanding meaning of teamwork.

**LEADERSHIP EXPERIENCE**

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**Class Leader and Student Welfare, Leader****Jan 2016 - Nov 2017**

- Manage class wellbeing and making sure no one is lacking behind academically.
- Engaging in 2016 and 2017 open houses to advocate student life in Yishun junior college to new olevel graduates.

**AWARDS AND SCHOLARSHIP**

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- Table Tennis Team Service Merit 2017
- Table Tennis Team Merit Award 2016 and 2017
- Edusave Certificate of Academic Achievement 2016 and 2017

**VOLUNTEER EXPERIENCE**

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- Volunteered in Sree Narayana Mission Home, engaging and understanding wheel chair bound seniors in 2017.
- Volunteered at Sunshine Welfare Action mission, spending time and showing support to the elderly in 2016