

# PAN XIN-MIN

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## Professional Experience

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### **DSO National Laboratories, Industrial Attachment**

May 2019 - Aug 2019

Designed and developed a battery management system on a printed circuit board (PCB)  
Produced mechanical designs for parts used in testing using Solidworks  
Evaluated possible solar power applications

### **GlobalFoundries Singapore, Industrial Attachment**

May 2018 - Jul 2018

Automated a model to forecast mobile demand  
Captured latest market dynamics and how it translates to number of wafers for factory to build  
Improved the accuracy of forecast and reduced manhours through automated and forecasting

### **Ministry of Education, Teaching Internship Programme**

Jan 2017 - Mar 2017

Taught English and Mathematics in Gongshang Primary School  
Designed and executed lesson plans

## Skills

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Software: MATLAB, Kicad, EAGLE, Solidworks

Computer Languages: Python, C

Languages: English (main), Chinese

## Education

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### **University of California, Berkeley (UCB), USA**

2019 - Present

Full year program concurrent with REP in UCB  
Department of Electrical Engineering and Computer Science  
Key courses: Introduction to Robotics, Feedback Control Systems, Optimization Models in Engineering

### **Nanyang Technological University, Renaissance Engineering Programme (REP), Singapore**

2017 - Present

Master of Science in Technology Management  
Bachelor of Engineering Science (Electrical and Electronic Engineering)  
Minor in Economics

Expected graduation: December 2021

Cumulative GPA: 4.76/5.0

### **Hwa Chong Institution (College Section), Singapore**

2015 - 2016

Achieved 4As in H2 Physics, Chemistry, Mathematics and Economics  
Achieved Distinction in H3 Pharmaceutical Chemistry

## Achievements

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DSO National Laboratories, Sponsorship for Aspiring Researchers (SOAR) Scholarship, 2020-2021

Renaissance Engineering Programme Scholarship, 2017-2020

The Assisted Bathing Challenge (Champion), Ministry of Health Holdings, 2017

## Leadership and Co-Curricular Activities

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**UAVs@Berkeley, Member**, University of California, Berkeley, 2019

**Renaissance Engineering Club (REClub)**, Nanyang Technological University

President and Chair (Local CIP), Aug 2018 – May 2019

Treasurer, Aug 2017 - May 2018

**Shell Eco-Marathon Participant**, Nanyang Autonomous Venture, 2019

**Singapore Combined Schools Athletics Team Girls' Captain**, 8<sup>th</sup> ASEAN Schools Games, 2016

## Hobbies and Interests

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Track and Field (Sprints), Dance (Ballet, Grade 8), Music (Piano, Grade 8)