



# Work Attachment Experience with Advanced Micro Devices (Singapore)

from 8 May to 19 May 2023

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# My Locus

## My Learning Needs

I would like to gain a better understanding of

- the semiconductor industry,
- the skills and competencies required to work in this field, and
- how the learning of mathematics serves as an important foundation for the engineering activities in Advanced Micro Devices (AMD).

## Opportunities

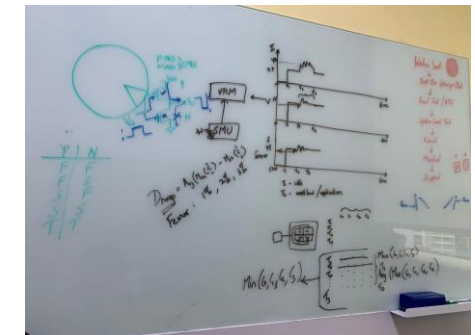
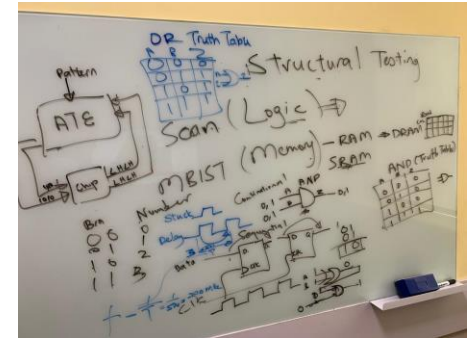
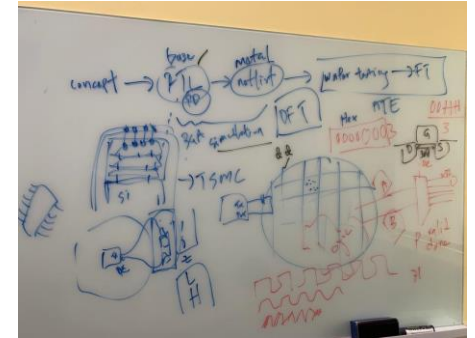
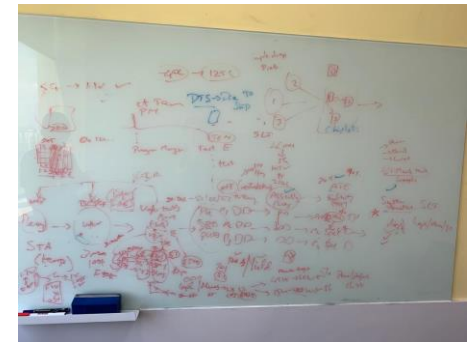
I would like to appreciate the relevance of mathematics in engineering and be involved in a global semiconductor company that designs and delivers microprocessors, among other products.

# My Focus

## My Learning Goals

During my attachment, I had the opportunity to

- learn the technical processes and terminology in product engineering, simulation testing and debugging in the semiconductor industry, and data analysis;
- gain an overview of what AMD does in System Level Test (SLT) and how it fits into the company's operations;
- gain an overview of Silicon Characterisation Business Unit (SCBU) and Adaptive Gainful Integrative Learning Environment (AGILE) practice;
- develop leadership skills through participation in the Central Monthly Leadership Seminar;
- gain insights into the experiences of interns;
- network with New College Graduates (NCG) and learn from their experiences during the Lunch with NCGs session; and
- build teamwork and collaboration skills by participating in team-building sessions.



# My Onus

## My Experience

I got to

- visit their sites at Chai Chee and Changi Business Park, and
- complete an attachment to the Business Units (BU).

## My Learning

I learnt about

- the semiconductor industry;
- the work culture at AMD;
- AMD's outreach efforts;
- the processes involved in product engineering;
- science, technology, engineering and mathematics (STEM) opportunities (such as site visits and coding); and
- industry-specific skills for aspiring engineers.





# My Onus

## My Learning

I acquired the following skills through my experience:

- collaboration and teamwork skills;
- an Agile mindset;
- better communication and presentation skills; and
- critical, analytical and problem-solving skills.

## Application of Learning in the Classroom

Some of the 21CC that I would like to instill in my students during my lessons are **communication** and **presentation** skills, **creative** and **critical thinking**, and **problem-solving** skills.

The experience supported me in offering **career guidance** to students interested in this field.





Thank you