



Hello I'm CH Lee 🖐️

I solve real business problems by using **Data Analysis & AI**

“Transform data into impacts: Insights discovered, solutions delivered.”

With five years in tech, I specialize in **Data Analytics**, complemented by AI and Machine Learning, to **uncover critical insights** and translate complex data into actionable business strategies and actions.

I lead **analytically-focused projects** and foster cross-functional alignment, ensuring technical solutions are **validated by data** and effectively address core business challenges.

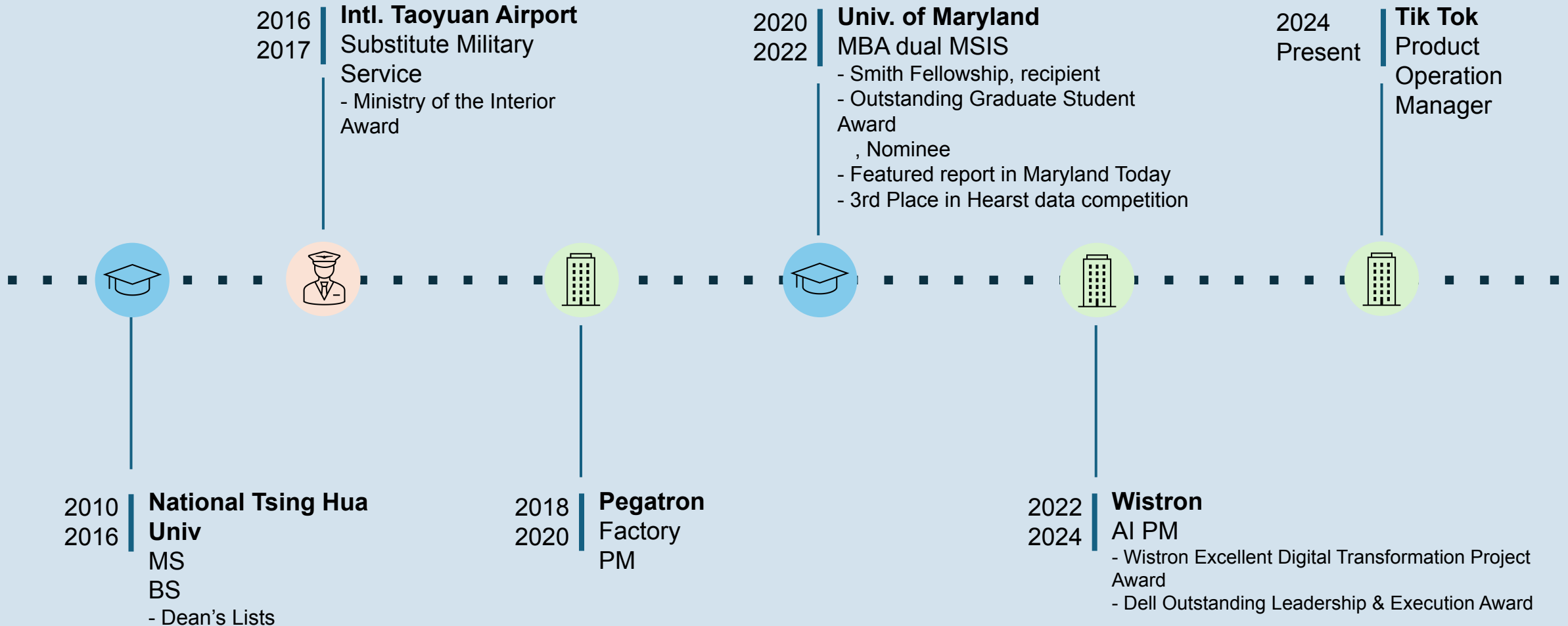
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MBA (SCM major) dual **MSIS** (ML major)

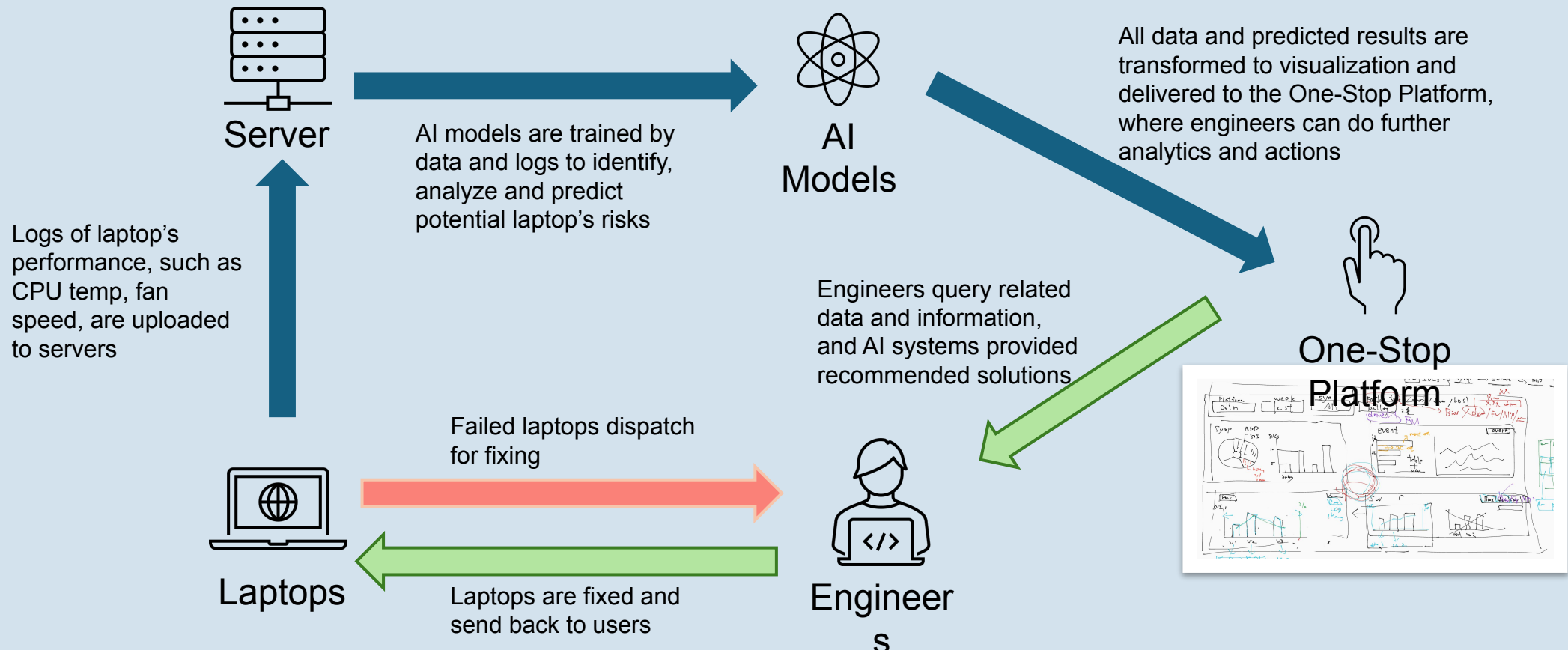
Timeline of ME



Product Overview @ Wistron

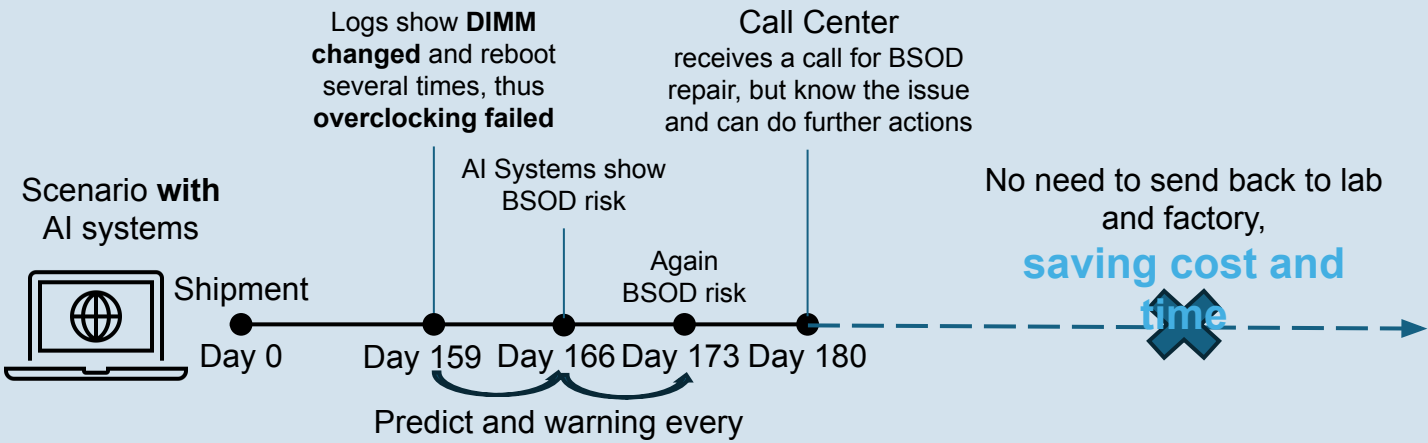
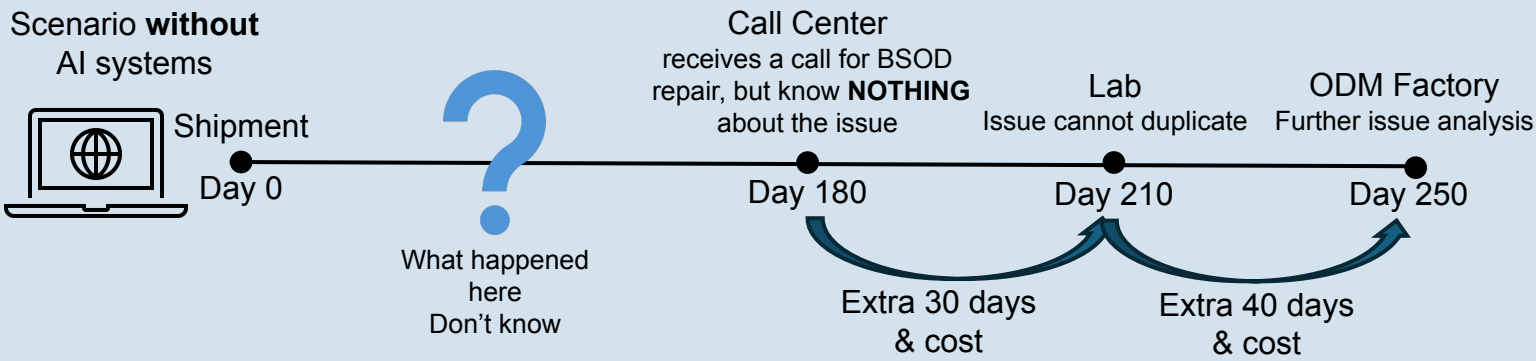
Product Overview >> The Problems >> Solving Approach >> Features & Functions

- Telemetry AI Analyzer is an AI systems that was trained by more than 40 billion data and can automatically identify, analyze and predict potential laptop's issues, and provide recommended solutions.
- The AI systems empower engineers to expedite debugging process.
- The AI systems received awards from Dell and Wistron.



Product Overview @ Wistron - The Problems

The case of engineers' view for the process of the same notebook issue with & without the AI systems



Unprepared & NOT knowing are a pain

Before AI systems, engineers always do NOT know what's going on for need-to-repair laptops, thus can do nothing



Wasting Cost & Time

Because not knowing what happened to laptops, engineers must send back to lab and factory for further analysis.



Issue can NOT duplicate

Many issues, such as no power, BSOD, are hard to duplicate. Without duplication, it's hard to do further analysis.

Product Overview @ Wistron

- Problem Solving Approach

Product Overview >> The Problems >> **Solving Approach** >> Features & Functions

I led a five-member-team through the following steps

Step 1: Clarifying

Interview with stakeholders to understand

1. Who are users
2. What's the problem
3. What do they expect to see

Step 5: Feedback Collecting

Discuss with stakeholders and users to check if features and functions are what they need. Quickly adjust

Step 4: Demonstrating

Presenting features and functions in weekly meeting

Step 2: Planning

Discuss with my team members to plan out major features, functions and roadmap

Step 3: Developing

Assign and allocate tasks clearly. No overlapping, no confusion.

Member 1: Model building
Member 2: Data processing
Member 3: Data visualization
Member 4: EE consulting
Member 5: SW consulting



One-Stop Platform

Provide all information efficiently to solve can not duplicated issue

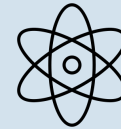
- Our team integrated all data, all log, all information into this one-stop platform. Engineers can quickly access all what they need, saving time and increasing debug efficiency.



Issue library and search engine

Suggest solutions to expedite debugging, save time and cost

- All previous issues were processed to a knowledge graph. Combining with LLM, the search engine can make users find similar cases and provide corresponding recommended solutions.



AI Models

Predict risks to make engineers prepare in advance

- AI models we built were trained by more than 40 billion data collecting from 30 million notebooks. The model can predict potential engineering risks for laptops.



Dashboards

Monitor all metrics to manage the AI systems comprehensively

- Several dashboards were developed by data visualization to display
 1. Risks status
 2. Issues trending
 3. Statistics

Product Overview @ Wistron - Summary

\$ 1.2M+
cost saving
per year



Receiving
DELL Outstanding
Leadership and Execution Award
wistron Excellent
Digital Transformation Project Award

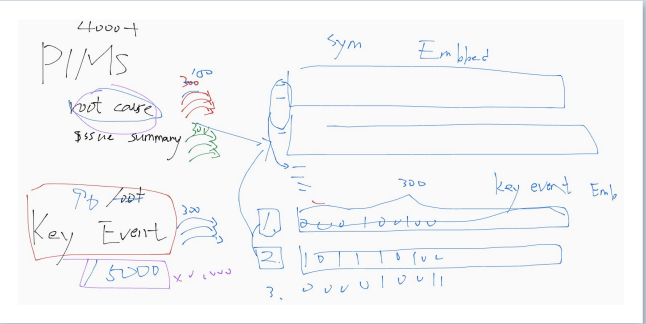


Telemetry AI Analyzer

Predicting 28
Notebook's



Training with 40+
Billion

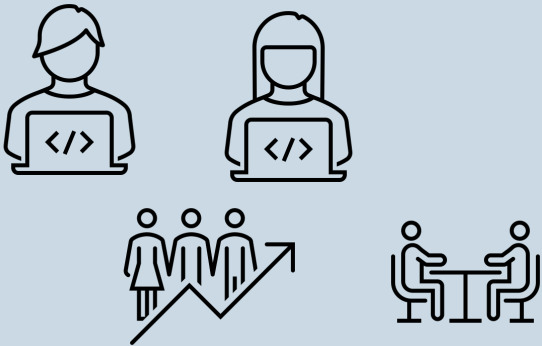


70% debugging efficiency
increasing by automatically
Predict, Analyze & Suggest Solutions

Inference for
30+ Million
Notebooks



50+ Stakeholders, including
VPs, Directors, Managers, Engineers



Workshop Host

