

Highlights

Startups at the Furnace@SoC

EzCompostr: Pioneering Sustainable Waste Management in Singapore's Urban Landscape

EzCompostr is a transformative force in waste management. Founded by Gabriel Yang, a Year 3 Computing Science student and Tan Shi En, a Year 4 Business Administration student, EzCompostr embarked on its journey during the Hult Prize NUS competition in November 2020. As the first runner-up, the team recognized a significant opportunity to digitize and simplify the composting experience, inspired by a meeting through the NUS Social Impact Catalyst in 2021.

What is EzCompostr?

EzCompostr simplifies composting with its innovative mobile app featuring a community platform, a GenAI-driven chatbot for real-time support, and an IoT-enabled bin that monitors compost, alerts users, and suggests optimal uses for different compost types.



Genesis of EzCompostr

Born from frustration with limited food waste solutions, EzCompostr aims to combat Singapore's low composting rate (under 20%). The discomfort associated with food disposal drove Shi En to seek effective solutions, identifying composting as a viable and sustainable response.

Growing at Furnace

Joining NUS's Furnace@SoC incubator provided crucial resources and mentorship as well as access to a vast network of founders who were able to provide valuable industry insights, allowing EzCompostr to refine their business strategy.

Looking Ahead

Looking ahead, they plan to improve their bins and expand to homes and offices, making composting accessible to all. This empowers individuals and businesses to contribute to a more sustainable future.



Factorem: Spearheading Innovation in Custom Manufacturing

Factorem stands out as a game-changer in the custom manufacturing industry. Founded by Alexandra (Alumnus of NUS SDE) and Hardik (Alumnus of NUS SoC) with an eye towards streamlining and democratizing manufacturing access by streamlining complex production processes with its innovative technology platform.

What is Factorem?

Factorem operates across Southeast Asia with their AI-enhanced self-service platform streamlining complex processes for CNC machining, 3D printing, and Sheet Metal Fabrication, slashing production times by up to 50%.

Genesis of Factorem

Factorem's journey started in Toronto, where its founders encountered significant challenges in sourcing custom components for hardware start-ups. Inspired by these difficulties and motivated to facilitate easier access to manufacturing, they founded Factorem which is derived from the Latin word for 'Maker'. Factorem's mission is to provide seamless, 24/7 access to manufacturing, revolutionizing the way companies handle hardware prototyping and production.

Growth and Impact at Furnace@SoC

With the support of a VIP@SoC 10K grant at Furnace@SoC, Factorem has flourished, gaining invaluable industry insights and connections. This environment has catalysed conceptual and operational growth, enabling Factorem to expand its influence and capabilities.

Recent Developments and Future Outlook

Factorem's recent completion of the WEVE Acceleration program (supported by Enterprise Singapore) in New York marks a significant step towards U.S. expansion, aiming to triple sales with its cutting-edge platform.

Excited for SoC Career Fair?



Mark your calendars for the School of Computing's Career Fair! Due to overwhelming response from employers, we've added an extra day! Now scheduled for August 27th, 28th and 29th 2024, the event will take place at the vibrant COM3 building's MPH.

Don't miss this chance to connect with leading employers in the industry. Register now before spots fill up! Visit our website for participation details and pricing. Stay informed about upcoming career fairs by joining our mailing list.



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Capstone Projects Proposal Schedule

Master of Computing – General Track

This capstone internship provides an opportunity for students to work on solving problems beyond the formal classroom setting.

4 months individual internship with a company

Company submission period: Nov 2024 - Mar 2025

Internship period: Mid-May - Mid-Sept 2024

Contact: gt-capst@comp.nus.edu.sg

Master of Science in Digital Financial Technology (MSc DFinTech)

The MSc DFinTech Capstone internship requires students to have experiential learning in academic research, translational research or software development.

4-6 months individual internship with a company

Company submission period: Nov 2024 - April 2025

Internship period: May - Sept/ Nov 2024

Contact: msc-dft@comp.nus.edu.sg

Master of Science in Business Analytics (MSBA)

The industry-linked professional consulting capstone project requires students to analyse and provide solutions to today's real-world business analytics problems.

4 months individual project with a company

Company submission period: Jan - April 2025

Project period: May - Aug 2024

Contact: MSBA@nus.edu.sg

Business Analytics (Undergraduate)

Students are expected to solve a real-world business analytics project proposed by a company which could include (but not limited to): data analytics, machine learning, design and development of interactive and performance dashboard, and data mining.

3 months group project with a company. Work to be done in NUS

Company submission period: June - July 2024
Nov - Dec 2024

Project period: Aug - Nov 2024
Jan - April 2025

Contact: shalinda@comp.nus.edu.sg

Information Systems (Undergraduate)

Students are required to develop a business information system by completing an entire Systems Development Life Cycle (SDLC) which includes gathering requirements, analysing requirements, designing the system (both software and hardware), implementing and deploying the system.

3 months group project developing software system for company. Work to be done in NUS

Company submission period: Nov - Dec 2024

Project period: Jan - April 2025
Aug - Nov 2025

Contact: tanwk@comp.nus.edu.sg (Aug-Nov term); hsianghui@nus.edu.sg (Jan-April term)



Industry Demo Day 2024

Applied AI & Practical Data Science
Real-world problems; Tangible impact



Twice a year, Singapore Data Science Consortium hosts an event where we invite industry speakers who are professionals in their respective fields, to give talks on the latest developments and trends in Artificial Intelligence and Data Science. Companies and doctoral students will also demonstrate and showcase their latest works.

Our upcoming industry demo day is on 26th September 2024, 9am-2pm at innovation 4.0!

Speakers include Mr Ofir Shalev, GoTo Group, Dr Leslie Teo, AI Singapore, and more!

Scan QR Code or Email to Register:



Joshua – joshua@nus.edu.sg
Kenneth – kphang@nus.edu.sg

Demo Showcases

Large Motion Model for Unified Multi-Modal Motion Generation

An Explainable Framework to Hateful Meme Detection with Large Multimodal Model

Aligning Human and Computational Coherence Evaluations

4D Dynamic Scene Reconstruction, Editing, and Generation

Medical Speech-to-Text for Singapore Healthcare Applications

Highlight: Applied AI & Practical Data Science @ goto



Dr Leslie Teo
Senior Director, AI Singapore



Mr Ofir Shalev
CTO, GoTo Group



Dr Sunil Sivasdas
Director, NEXT Gen Tech, NCS Group



Prof Ng See Kiong
Professor of Practice, School of Computing, NUS



Featuring an engaging panel discussion, with more speakers & more topics!

In Collaboration with



Code File Edit Selection View Go Debug Terminal Window Help

```
index.js | index.html  
  
app.get('/', (req, res) => {  
  res.sendFile(_dirname + '/index.html');  
});  
  
app.post('/', (req, res) => {  
  const crypto = req.body.crypto;  
  const fiat = req.body.fiat;  
  
  const baseUrl = "https://api2.bitcoinaverage.com/indices/global/ticker/";  
  const finalURL = baseUrl + crypto + fiat;  
  request(finalURL, (error, response, body) => {  
    const data = JSON.parse(body);  
    const price = data.last;  
  
    const currentDate = data.display_timestamp;  
    res.write("<p>The current date is " + currentDate + "</p>");  
    res.write("<h1>The current price of " + crypto + " is " + price + fiat + "</h1>");  
    res.send("<h1>The current price of bitcoin is " + price + "</h1>");  
    res.send();  
  });  
});
```

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SoC Industry Relations

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