

Rishi Kumar Srinivasan

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Education

National University of Singapore

B.Eng (Hons), Mech. Engineering (Aeronautical Specialization)

2nd Major in Innovation and Design Program

NUS Overseas College Toronto (Entrepreneurial Studies)

Singapore, Singapore

July 2022

University of Toronto

Entrepreneurial Studies

Toronto, Canada

Jan 2021 – Dec 2021

Experience

LanciaConsult

Management Consultant

Singapore, Singapore

June 2022 – March 2023

- Account lead across diverse client portfolio including government agencies, energy consultancies, non-profits, and fintech startups and generated ~\$170k revenue from deliverables within 8 months
- Successfully executed end-to-end SME digital transformation project for a SME.
- Developed materials for companywide usage to guide Agile Project Delivery using SCRUM frameworks

Skygauge Robotics (*Forbes 30 under 30 startup*)

Toronto, Canada

Mechanical Engineering Intern

Jan 2021 – Dec 2021

- Utilised MATLAB and Python for automating flight log analysis and developed methods for additional variables to aid engineering team using existing datapoints
- Designed and developed components (drone-wall interface) and software tools (signal processing) for next iteration of drone incorporating insights from earlier Primary research with stakeholders
- Conceptualised and conducted an end-to-end test plan (thrust stand test of single/coaxial motors) utilising third party test equipment and developed internal data processing tool customised for engineering team

Business Development Intern

Jan 2021 – Dec 2021

- Conducted Primary Market Research with multiple stakeholders across the vertical of industry and analysed proposed business model with primary and secondary data to advise executive team on direction forward
- Managed technical considerations from customers to advise on engineering decisions and direction
- Studied a novel use case for the product through primary research and developed a go-to-market and development strategy for this application

Nutonomy (*now Motional*)

Singapore, Singapore

Autonomous Vehicle Intern

Mar 2018 – Aug 2021

- Developed and implemented a company wide work tracking tool using JIRA that seamlessly integrated the car conversion process between various teams which automated the process and accelerated work
- Integrated Quality Management procedures into the car conversion process
- Obtained insights into SCRUM based project management which I subsequently weaved into the work tracking tool for better planning

Projects

Electric Aircraft for Healthcare Logistics

Singapore, Singapore

Team Lead

Jan 2020 – Jan 2021

- Designed transformative fully electric aircraft for rural healthcare logistics in Indonesia.
- Conducted rigorous flight tests on 1/5 scaled prototype, optimizing performance and maneuverability.
- Leveraged research to bridge transportation gap, addressing critical healthcare challenges in remote areas.

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UTMS for UAV Traffic Management

Singapore, Singapore
Jan 2022 – May 2022

- Proposed UTMS: Decentralized, scalable, and blockchain-based solution for efficient UAV traffic management.
- Autonomously manages UAV traffic through customizable airways, ensuring seamless integration with existing aviation operations.
- Enhances safety and traceability, revolutionizing air traffic management for urban environments and beyond.

Awards

NUS Enterprise Venture Initiation Program Grant Winner- \$10k

Singapore, Singapore
May 2023

- CEO and Co-Founder of eat.social
- Honed Product Market Fit, Lean Startup Methodology and Web Development skills with the development of the platform

Skills

Proficient

CAD: Solidworks, Inventor, Fusion 360

Rapid Prototyping: 3D printing, Laser cutting, CNC milling

FEA: Solidworks

CFD: ANSYS

Aero tools: XFLR5, Javafoil

Intermediate

FEA: ANSYS

CFD: Solidworks

Development boards: Arduino, Raspberry Pi

Flight Control Boards: Ardupilot Pixhawk

Languages: Python (Robotics), MATLAB

Project Management: Agile Project Delivery

Basic

Project Management tools: JIRA

Database: SQL

Languages: Python (Data Analysis), C++

Web Development: HTML, CSS