

Jesi Carey

Sydney, Australia | [LinkedIn](#) | 0430 725 294 | jesi.s.domingo@gmail.com

WORK EXPERIENCE

Headsafe

Product Developer

Feb 2025 – Apr 2025

- Authored operator procedures to ensure seamless product use.
- Developed and maintained comprehensive documentation for product development, realization, and maintenance.
- Gathered and documented product and sub-system requirements.

Vow

Systems Engineer

Mar 2024 – Jan 2025

- Contributed to the design and development of integrated systems, ensuring seamless interaction between mechanical, electrical, and software components throughout the full lifecycle.
- Designed and prototyped mechanical and electrical components using CAD and EDA tools, developing control and sensing systems, and embedded software for process control devices.
- Executed test plans, troubleshoot issues, and collaborated with cross-functional teams to optimise system performance.
- Communicated technical details to stakeholders and proactively identified opportunities for process improvements and system enhancements.

R&D Engineer

Feb 2022 – Mar 2024

- Led projects encompassing prototyping, testing, and iterative design improvements for innovative product concepts.
- Utilised CAD tools and PCB design software to develop mechanical and electronic components.
- Engaged in risk assessments, documentation, and stakeholder communication to support project goals and ensure delivery timelines.
- Applied hands-on assembly techniques, including soldering and PCBA processes, to refine prototypes.
- Contributed to a patent-pending method for producing textured cultivated food products.

Fabrication Technician

Nov 2021 – Feb 2022

- Fabricated a custom device to facilitate the scale-up of adherent cell culture for integration into an incubator.
- Collaborated with R&D teams to ensure that the device met technical specifications and functional requirements for cell culture processes.
- Utilised precision tools and manufacturing techniques to assemble components, ensuring quality and reliability.

Stryker

Bench Technician Assistant and Service Coordinator

Aug 2018 – Nov 2019

- Diagnosed, repaired, and maintained medical equipment, ensuring adherence to Australian Standards.
- Managed documentation, including root cause analysis reports and risk assessments, for maintenance activities.
- Supported supply chain processes through inventory management and ERP systems.

Royal Prince Alfred Hospital

Biomedical Engineering Intern

Feb 2017 – Jul 2017

- Performed maintenance and preventative checks on medical equipment per AS3551 and AS3760 standards.
- Developed and executed testing protocols for equipment validation and documentation.
- Collaborated with vendors and contractors to streamline equipment commissioning processes.

EDUCATION

University of Technology, Sydney

Bachelor of Engineering (Honours), Diploma of Engineering Practice

Graduation Date: 2020

- Major: Biomedical
- Awards: People's Choice Award (2019)

SKILLS & INTERESTS

Skills: 3D CAD (Fusion360, Solidworks) | Python | PCB Design (EasyEDA) | Rapid Prototyping

Interests: Hydroponics, Baking, Crocheting/Embroidery, Home Automation

PATENT PENDING

AU2023902224 - "Apparatus and Method for Producing a Cultivated Food Product"

Awarded July 2023