Giswin Vincent

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Education

Monash University — Melbourne, VIC
Master of Mechanical Engineering — March 2019 – December 2020

Viswajyothi College of Engineering and Technology — Kerala, India
Bachelor of Technology - Mechanical Engineering — July 2013 – April 2017

Experience

Automation Systems & Controls Pty Ltd — Melbourne, VIC
Graduate Commissioning Engineer — March 2022 – April 2022

- Assisted Addverb Technologies in the commissioning of fulfillment center at Derrimut.
- Liaising and collaborating with installation teams to carry out tests and repairs.
- Monitoring, diagnosing, and reporting issues with carton shuttle robot - QUADRON.

Southern Dental Industries — Bayswater, VIC
Machine Operator — March 2021 – March 2022

- Increased powder bottling output by 40% by identifying bottlenecks.
- Preparation and maintenance of records in compliance with GMP principles.
- Troubleshooting of machinery problems as they arise to reduce machinery downtime and increase line efficiency.
- Trained machine operators in changeovers, machine setups, record keeping, and daily operations

iBuild Building Solutions — Mulgrave, VIC
Intern — August 2021 – November 2021

- Developed automation script to scrape details from websites.
- Evaluated thermal and electrical requirements for home office pods.
- 3D models were designed using Revit and rendered using Lumion.
- Learned invoicing process, architectural designing, sourcing of builders, selection process, etc.

Projects

Vibratory weighing filler — January 2022 – April 2022

- Designed and developed a prototype of Vibratory weighing machine
- Achieved percentage accuracy of .8% for a filling weight of 6g

Rodent Hoarding Apparatus — January 2021 – September 2021

- The aim was to design an apparatus to measure the amount of food hoarded by individual mice without human intervention for the department of physiology at Monash University.
- A concept design was made in which mouse was identified using injectable RFID tags and their movements were monitored using open-source video analysing software.

Automated Boarding Aid for Disabled Passengers on Rail — July 2021 – November 2021

- The project was to design an automated device for bridging the gap.
- A standalone system to accommodate both vertical and horizontal gaps was made which reduces installation complexity, time, and cost.

Skills & Interests

Technical: Solidworks, CREO Parametric, MATLAB, ANSYS, ABAQUS, MS Office Suite, Arduino
Programming: C++, Python, VBA, SQL, RegEx, Ladder Logic
Interests: Designing and building prototypes, 3D printing, Automation, Machine learning