



Tharindu Weerarathne

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tharindu-weerarathne-08092a167

Education

M.Sc. Engineering (Mechanical Engineering) (Ongoing)

01 Aug. 2023 - Present

Aalto University [Website] · Helsinki, Finland

• Specializing in Product Development and Design / Minor in Startup (AVP)

B.Sc. Engineering (Mechanical Engineering) (Honours)

26 Nov. 2015 - 24 July 2020

University of Peradeniya [Website] · Peradeniya, Sri Lanka

Employment History

Mechanical Engineer (Intern) · Dora Health Oy · Helsinki, Finland

June 2024 - Present

Temporary Lecturer (Full Time) · University of Peradeniya · Peradeniya, Sri Lanka

01 Nov. 2022 - 18 Aug. 2023

Temporary Instructor (Full Time) · University of Peradeniya · Peradeniya, Sri Lanka

28 June 2021 - 31 Oct. 2022

Production Executive (Full Time - Permanent) · MAS Intimates · Kandy, Sri Lanka

07 Dec. 2020 - 01 Jan. 2021

Mechanical Engineer (Internship - Full Time) · Noritake Lanka Porcelain (Pvt.) Ltd. · Matale, Sri Lanka

25 Feb. 2019 - 05 May 2019

Mechanical Engineer (Internship - Full Time) · Sri Lanka Railways · Colombo, Sri Lanka

30 Oct. 2017 - 07 Jan. 2018

Strengths

Soft Skills

Problem solving, Attention to detail, Effective communication, Team work, Situational awareness

Languages

English (Fluent), Finnish (Beginner), Sinhala (Native), Tamil (Moderate)

CAD & Simulation Software

AutoCAD, NX, Solidworks, Autodesk Fusion 360, SketchUp, Creo, Ansys, Nemoh

Additive Manufacturing

Altair Inspire, MCF Simufact Additive

Illustration Software

CorelDRAW, Adobe Photoshop, Lumion, Adobe Illustrator, Canva

Word Processing

LaTeX, Microsoft Office

Programming

Python (Basic), MATLAB (Basic)

Research & Projects

Product Development Project - Valmet - Aalto University [News Article]

Sep. 2023 - May 2024

Aalto University - Valmet Oy · Espoo - Jyväskylä, Finland

- Administrative Lead & a Mechanical Engineer of the project
- Product design to aid the roller changing process of the paper machines

Rigid and Aeroelastic Analysis of Wind Induced Flow Behavior Around Unscaled Tall Buildings using Numerical Techniques [Preprint]

Feb. 2021 - Sep. 2022

University of Peradeniya · Peradeniya, Sri Lanka

Design of Prototype and Analysis of the Performance of Hull Reservoir Wave Energy Converter (HRWEC) under Random Sea Conditions [Project Report]

May. 2019 - June. 2020

University of Peradeniya · Peradeniya, Sri Lanka

Simulation of Oscillating Wave Surge Converter

June. 2018 - Jan. 2020

University of Peradeniya · Peradeniya, Sri Lanka

Extracurricular Activities

Captain & Vice Captain · Boxing team, University of Peradeniya · Peradeniya, Sri Lanka

2018 - 2020

Central Province Silver Medalist

Active member · Art Society of the faculty · Peradeniya, Sri Lanka

2019 - 2020

Singer/ Drummer/ Guitarist

Volunteer/ Fund Raiser · Engineering Student Union · Peradeniya, Sri Lanka

2016 - 2019

Committee Member · Mechanical Engineering Society, University of Peradeniya · Peradeniya, Sri Lanka

2017 - 2018

DJing · Entropy Club · Helsinki, Finland

2024