

## AYO RANUH

**ABOUT ME** My name is Ayo Ranuh, I am a 3<sup>rd</sup> year Industrial Design Engineering student at Fontys University of Applied Sciences. I am 23 years old. This resume will give you a quick overview of my educational achievements, relevant work experience from my school projects and my proficiencies that are applicable in a professional working environment. This resume has hyperlinks to all the highlighted projects. All my school projects are on that website but the highlighted projects most show the qualities of myself that I believe would fit best with your company. For a look at my personal visualization projects, they are available here: <https://www.artstation.com/pandoyoranuh>. Thank you for considering me, I look forward to working with you.

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<b>EDUCATIONAL</b>	<b>OCTOBER 2018</b>
<b>ACHIEVEMENTS</b>	<b>TOEFL TEST</b>
	Reading – 24 of 30 (High)
	Listening – 24 of 30 (High)
	Speaking – 28 of 30 (High)
	Writing – 22 of 30 (High)
	Total Score – 98 of 120

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**OCTOBER 2023****PROPADEUTIC DIPLOMA****FONTYS UNIVERSITY OF APPLIED SCIENCES, VENLO**

Semester 1, course code	Name of course	Date achieved	Grade (Satisfactory, Good, Very Good, Excellent)
PRP1_IDE	Professional Practice 1	17/01/2022	S
ORI1_IDE	Orientation & Research 1	17/01/2022	G
ANA1_IDE	Analysis 1	17/01/2022	S
IDG1_IDE	<u>I</u> dea Generation 1	13/07/2022	S
CON1_IDE	Concept Development 1	13/07/2022	S
REA1_IDE	Realisation 1	14/06/2022	S
Semester 2, course code	Name of course	Date achieved	Grade (Satisfactory, Good, Very Good, Excellent)
PRP2_IDE	Professional Practice 2	20/06/2022	S
ORI2_IDE	Orientation & Research 2	20/06/2022	S
ANA2_IDE	Analysis 2	20/06/2022	S
IDG2_IDE	<u>I</u> dea Generation 2	17/01/2023	S
CON2_IDE	Concept Development 2	28/06/2023	S
REA2_IDE	Realisation 2	01/06/2023	S

**SEPTEMBER 2024****APPLY SUSTAINABILITY MINOR****FONTYS UNIVERSITY OF APPLIED SCIENCES, VENLO**

This minor was aimed at teaching students concepts and technologies that were relevant to making a sustainable world to several different fields. In the main project, I participated in a project with renowned company Essity, who make paper hygiene products. Their PM4 papermaking machine had two intakes for natural gas, and the assignment was to propose a solution that decreased the natural gas use and the CO2 footprint. Throughout the project I learned about how to complete a function analysis and morphological overview, and more in depth hydrothermal dynamics theory and how to do the calculations. During the project we also learned professional behavior (such as setting and managing expectations of your colleagues and how to take them to task should expectations not be met,) and project management methods like the Scrum method. In the modules, we learned about renewable energy systems, their application, and how to calculate the power generated from them. In the other module, we learned how to design products and supply chains for a circular economy.

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**SKILLS** Blender  
Solidworks  
Professional writing

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Creative writing

Design sketching

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RELEVANT IDE  
PROJECTS/WORK  
HISTORY

**SIEMENS, SEPTEMBER 2021 – OCTOBER 2021**

In this project the assignment was to come up with a system to serve food on a Siemens train, a new division of the renowned brand. Our solution focused on integrating an app with food stalls inside the train.

**HAGERHOF, OCTOBER 2021 – DECEMBER 2021**

The goal of this project was to build a marble table for children to represent the flow of water in the aquathermie system. The aquathermie principle is a principle of using warm water (in this case from the Maas River) to heat a home.

**HEALTHY WALK SUPPORT, JANUARY 2022 – MARCH 2022**

Build a walker for old people that addressed the common problems of existing walkers on the market – that they don't stop old people from indulging in their worst habits like walking with poor posture or putting stress on the wrong muscles. The walker should also have a seat for short term use.

**STEAM IRON IN THE STYLE OF ART DECO, APRIL 2022 – JULY 2022**

Object in the Style of was an individual project with the objective of rethinking a household product and redesigning it in a antiquated design style. The goal of this project was to remake a modern household product or appliance but in an antiquated design style and with all the constraints and challenges that brings, while still staying true to the principles of modern product design - mass producibility, sustainability, and recyclability.

**BEACH BUDDY, JUNE 2022 – JULY 2022**

Design a battery powered beach cart that can be used to transport children's toys on the beach. The cart must be child proof.

**CARE CHAIR, SEPTEMBER 2022 – MARCH 2023**

Dutch Concepts is a company based in the Netherlands that makes among other things, seats and dining chairs designed for old people. The problem presented to us was that the chairs are hard to move. The solution that my partner and I proposed to the client was a deployable wheel system.

**STEREO SUNDAY, FEBRUARY 2023 – JULY 2023**

Stereo Sunday is a music festival in Venlo. The assignment for this project was to make and build a series of decorations - a rocket on-stage that would go up and down, an area where people can chill or lounge, a photobooth, and several smaller decorations that would be posted around the festival site. This is the first group project that I was the leader of. As group leader, I set up the project plans, made the templates for the presentations for the group members to fill in, and I was the communication liaison between the group and the Stereo Sunday company itself.

**EMS GRIVORY, JUNE 2023 – JULY 2023**

EMS Grivory is an experimental material that is a metal but can be injection moulded. For this assignment, we were tasked with exploring the material by designing a set of bike tools that could be produced with it.

**BRIDGE PROJECT, SEPTEMBER 2023**

This was a mini project about making a bridge. The goal of the project was to explore engineering concepts. The bridge had to be made of icor (a carton material that's sort of like very strong cardboard) and meet the following other criteria:

- be held between two tables and not touch the ground
- holds 15 kg
- bridge weight 3.5 kilos

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- L = 1500mm, w = 500mm, max lean on each table 500mm

**BESE, SEPTEMBER 2023 – DECEMBER 2023**

The assignment for this project was given to us by BESE, a company that makes artificial coral reefs and uses them in the North Sea. They already have a formula for the artificial reefs, but they needed to be more optimised to last longer, be stronger mechanically and dry faster. We were tasked with doing tests and experiments repeatedly with multiple samples and testing them with a 3 point test.

**LIGHT CANE, SEPTEMBER 2023 – DECEMBER 2023**

In 2017, our client Debbie, a visually impaired person, got hit by a car as she was crossing the road at night. Based on this incident, VIPs (Visually Impaired People) are hard to be distinguished from other people travelling at night. Road safety, better mobility and the independency of VIPs can be improved with this product. While there are canes that already exist (made by IDE), our task is to examine, analyse, and evaluate prototypes and execute a new iteration. This iteration should result in a prototype which can be tested by visually impaired persons, a period for which should be at least a week.

**ESSITY, FEBRUARY 2024 – JULY 2024**

The PM4 papermaking machine uses natural gas to generate heat to dry paper using two separate mechanisms: the first generates heat like a hairdryer effect, and the second, a natural gas fueled boilerhouse turns water into steam and this dries the paper through heat transference the paper pulp is on, as the paper pulp passes under the hairdryer effect. The goal of this project was to propose a concept principle that theoretically should decrease the amount of natural gas consumption used in the paper making process of the PM4.

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<b>SLANGUAGE</b>	<b>ENGLISH</b>
<b>PROFICIENCIES</b>	Native-level. Comfortable in professional and non-professional settings.
	<b>INDONESIAN</b>
	Intermediate-level. Comfortable in non-professional settings.
	<b>SPANISH</b>
	Intermediate-level. Comfortable in non-professional settings.
	<b>NORWEGIAN</b>
	Intermediate-level. Comfortable in non-professional settings.

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<b>REFERENCES</b>	<b>RITCHIE VAN DAAL</b>
	Student Coach, Fontys University of Applied Sciences, Venlo r.vandaal@fontys.nl
	<b>MARJOLEIN OUDAKKER</b>
	Learning Development Coach, Fontys University of Applied Sciences, Venlo m.oudakker@fontys.nl

