

ARNOUT GROEN

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Education

Amsterdam University of Applied Sciences

Bachelor's of Mechanical Engineering - (GPA: 3,42)

Sep. 2022 – Aug 2026

Amsterdam, The Netherlands

Keizer Karel College

HAVO – Nature & Technology - (GPA: 3,27)

Sep. 2017 – Aug 2022

Amstelveen, The Netherlands

Skills

Technical Skills: Inventor (Professional, Nastran, Nesting), AutoCAD, Fusion 360 (CAM), Advanced Excel modulation
Interpersonal Skills: Positive influence/ Leadership in Team-Based environments, Conflict Resolution, Attention to detail
Other Skills: Python (VS Code), Concise report writing, Structured problem solving

Projects

High End Bookshelf Speakers | *Inventor, Excel, Xsim, Fusion 360*

July 2024

- Designed HiFi speakers using Dayton Audio driver and crossover components to enjoy good audio on a lower budget
- Configured my own crossover circuit via Xsim to get the optimal performance from the woofer and the tweeter
- Designed a speaker cabinet in Inventor Professional using a parametric design powered by Excel
- Tested base frequencies of the cabinet with the use of Inventor Nastran FEM analysis
- Made and ran Gcode using the Fusion 360 CAM package to CNC speaker cabinet parts

2048 Game | *Python (VScode online)*

May 2024

- Recreated my favourite web game using Python and challenged myself to use minimal libraries and optimal code
- Used online resources such as Stack overflow and ChatGPT to get feedback and suggestions to my code
- Used user input parameters to customize player experience, which allowed the game to be altered to the users demands
- The game runs in the CMD terminal and makes use of exclusively ASCII symbols

Gravity Powered Cart | *Inventor Professional, Fusion360, AutoCAD*

Jan 2024

- Lead a project team of 4 students based on individual strengths, skill sets, & experience levels to accomplish a functional prototype which resulted us to win second place in the student competition
- Produced parts with the use of AutoCAD and nest.io to optimize laser cutter patterns to reduce material cost and runtime
- Used Inventor shape generator to create light yet durable solutions to push the design to it's limits
- Produced complex parts with a 3D printer and optimized settings and design to achieve the best strength

Work Experience

VOSTA LMG

Aug 2024 – Feb 2025

Mechanical Engineer Intern

Hoofddorp, The Netherlands

- Researched, developed, electrified, and replaced a hydraulic anchoring system to reach the company's emission goals
- Acquired communication skills towards both internal and external contacts, and used those skills to collaborate with different companies to develop an optimal system
- Written a complete yet concise report detailing the whole R&D process and decisions made during that process

Hennes & Maurits

Aug 2024 – Present

Sales Advisor

Amstelveen, The Netherlands

- Assisted store managers by training new hires, managing departments, and reaching member engagement goals
- Ensured departments held up to professional presentation standards, and managed stock to reach profit goals
- Assisted customers with their demands and questions to optimize their shopping experience & turn-back rate

Extracurricular Activities

Python for Engineers | *Python (VScode online)*

July 2024

- Learned the basics of Python using datastreams & libraries to proces and compute data

Maintenance | *ISO maintenance & safety protocols*

Feb 2024

- Learned how to systematically manage and maintain mechanical systems in a workplace environment