ARNOUT GROEN

Baken 17, 1186DB, Amstelveen, The Netherlands

☎ +31 (06) 83690002 ✉ arnoutw.groen@outlook.com in linkedin.com/in/arnoutgroen

Education

Amsterdam University of Applied Sciences **Sep. 2022 – Aug 2026**
Bachelor's of Mechanical Engineering - (GPA: 3,42) *Amsterdam, The Netherlands*

Keizer Karel College **Sep. 2017 – Aug 2022**
HAVO – Nature & Technology - (GPA: 3,27) *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