

Work Experience

Spark Design and Innovation | Industrial Design Engineer | 2025 | Rotterdam, Netherlands

Proactively contributed to 8+ medical and robotic products. Planned, built, executed, documented, and summarized concept comparison testing. Prior testing precision and accuracy improved up to 180%. Presented results which informed conclusive product design direction. Constructed an efficient, modular system for industrial product integration. Rapidly iterated mechanical and static prototypes resulting in improved mechanical properties and ease-of-use. Created and finalized marketing renders. Engaged in brainstorming and client meetings with project teams. Key softwares: SolidWorks, Adobe Illustrator, KeyShot, Excel, Bambu Studio and PowerPoint.

Huronia Machine Services | Drafter, Designer | 2024 | Ontario, Canada

Executed contract work for companies like Honda and Daifuku. Translated detailed technical drawings to 3D models and vice versa, with appropriate tolerances for CNC machining. Created fabrication drawings for assembly, welding, cutting, and bending with datum mapping. Quoted and placed orders and recommended design alterations within manufacturing constraints in collaboration with the machinists and management. Key softwares: SolidWorks, AutoCAD, and Excel.

Technical Skills

- Solidworks
- Adobe Creative Suite
- Keyshot
- Microsoft Office
- Blender
- Procreate
- AutoCAD
- Figma

Education

Carleton University | Bachelor of Industrial Design | 2022 - 2027

Ottawa, Ontario

TU Delft | Industrial Design Engineering Exchange | 2025

Delft, Netherlands

Awards

- 95-100% Entrance Scholarship, renewed every year (>10 CGPA) | Carleton University | 2022 - Ongoing
- James Chester Buck Award for Academic Excellence | Riverdale Collegiate | 2021

Certifications

- CSWA (SOLIDWORKS CAD Design Associate), 2025-07-01
- CSWP (SOLIDWORKS CAD Design Professional) Sample Exam, 2025-07-01
- IDEO AI x Design Thinking Workshop Series, 2025-01-04
- Lifesaving Society ID: ANECIW
 - Lifesaving Society Bronze Examiner, 2023-07-27
 - Lifesaving Society Emergency First-Aid Instructor, 2023-04-09
 - Lifesaving Society National Lifeguard Examiner, 2023-06-28
- BASI Level 1&2 Ski Instructor | Switzerland, Zermatt, 2022-04-02

Soft Skills

- Strong communicator and enthusiastic team player practiced in leadership roles.
- Able to remain calm and focused during busy situations
- Organized and detail oriented, auditing work methodically
- Taking initiative, thinking before asking for help

Extra-Curriculars and Interests

- Vice President of External Relations | Carleton Industrial Design Student Association (CIDA) | 2023 - 2024
- Carleton Engineering Hockey Team | LUG, Ottawa | 2022 - Ongoing
- Backpacking | Eastern Europe, Croatia, UK | March 2022 - May 2022
- Leaside Flames Hockey | Toronto | 2009 - 2020
- Digital Modelling, 3D Printing
- Hiking/Camping (Dolomites, Lake Superior, BC, Zion National Park)

Reference contact information provided upon request.

Stijn Oude Lenferink | Design Engineer and Mentor | Spark Design and Innovations

Jamie Clark | Huronia Machine Services Founder and President