

Damir Kim

strategic industrial design development
for natural science, medical, and industrial equipment

WORK EXPERIENCE

+372 5371 2170
damir@murkyconfluence.xyz
murkyconfluence.xyz

SKILLS

Software

SolidWorks
SolidWorks Composer
Rhino / Grasshopper
Keyshot
Adobe Ai/Id/Ps/Ae
ANSYS

Scripting

C++
JavaScript
CSS
HTML
PHP

EDUCATION

Bachelor of Fine Arts

Design Art
Concordia University,
Montreal, Canada

Bachelor of Mechanical Engineering

Design and Manufacturing
Concordia University,
Montreal, Canada

Industrial Designer / Senior Designer 2023 – PRESENT

Repligen Corporation, Jüri, Estonia – repligen.com

- User-centered design and research for a number of new complex biopharmaceutical devices.
- Leading mechanical engineering team in research, problem definition, and early prototyping stages of several projects employing iterative design thinking approach.
- Introduction of consistent visual design language and ergonomics guidelines for devices across the entire portfolio.
- Evaluation and introduction of new manufacturing methods and improvements to meet commercial targets and cleanability requirements.
- Interactive web-based assembly guides for systems currently being manufactured using SW Composer to replace multiple paper documents.
- Design and execution of a showroom for the entire international product portfolio in the new manufacturing facility in Estonia.
- Collaborating across wide range of teams: marketing, assembly, flow / process design, mechanical engineering, plastics and metal subcontractors.

Product Design Development Engineer 2022

Ten Twelve OÜ, Tallinn, Estonia – tentwelve.ee

- Working directly with numerous start-up clients to develop user requirements, and establishing project stages and deliverables.
- Delivering the entire 3D product design development cycle from research and concepts to manufacturing.
- Industrial design and mechanical concepts, CAD modeling, surface design in SW.
- DFMA of plastic and metal parts in collaboration with manufacturers in Europe and China.
- Prototyping using 3D printing, vacuum casting, CNC milling.
- User physical interaction analysis and UX guidelines.
- Developing visual product and assembly guides.

Environmental Industrial Designer 2020 – 2021

ZLTGROUP – zlt.group

- Design of wayfinding programs and branded space projects for hospitals, museums, and public spaces as a senior concept designer.
- Overseeing collaboration of a diverse team of type designers, illustrators, map designers, interior architects, 3D artists, mechanical designers.
- Working directly with the client: developing requirements, presenting concepts, overseeing production.

Environmental Graphic Designer 2020

Aurora Group – aurora-group.com

- Worked in collaboration with 3D designers and architects to deliver a number of environmental wayfinding and branding programs for corporate and urban spaces.
- Delivered fabrication solutions for signage systems of the environmental graphics.

Exhibit Industrial Designer 2019

Lorem Ipsum – loremipsumcorp.com

- In collaboration with architects, scenographers, and science advisors, proposed solutions for museum exhibition pieces.
- Delivered designs for signage, interactive elements, and furniture programs for two museum projects.
- Collaborated with construction engineers and fabrication teams to optimize designs.

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Industrial / Mechanical / Visual designer 2018 – 2019

Samocat Sharing – samocat.net

- Researched, hand sketched, prototyped, and delivered locking mechanism for scooter sharing system.
- Delivered models for CNC milling of metal and plastic.
- Helped defining visual and industrial design strategy of the company.
- Produced visual communication tools for the consumer as well as the assembly personnel in form of posters, brochures, instruction manuals

Visual Communication Lead 2016 – 2017

Thermal Spray and Multiphase Flow Laboratory,
Concordia University, Montreal, Canada – [lab website](http://lab.website)

- Supported engineering team with visual communication tools: sponsorship packages, video animations, industrial design renderings, and 3D printed models.
- Produced visual identity for a number of winning multinational research projects in aerospace

Engineering Research Assistant 2015 – 2016

Freezing of supercooled water on hydrophobic surface:
an experimental study

Thermal Spray and Multiphase Flow Laboratory,
Concordia University, Montreal, Canada – [lab website](http://lab.website)

- Improvement of industrial design and usability of research apparatus .
- Communicated lab's research the public using presentations and effective video editing.
- Developed repeatable measurement techniques for recording of freezing mechanics of water. Performed data analysis and recorded unique phenomena.
- Provided documentation for future validation of simulation in form of project reports, operations manuals, and demonstrations

Research Assistant 2015

NSCERC Undergraduate Student Research Award:
Characterization of superhydrophobic surfaces for aerospace application

Thermal Spray and Multiphase Flow Laboratory
Concordia University, Montreal, Canada – [lab website](http://lab.website)

- Designed and manufactured low humidity icing chamber experimental apparatus and its functional components for future validation of simulation techniques developed at the laboratory.
- Observation of water on hydrophobic coatings using high speed shadowgraphy.
- Undertook extensive literature review prior to design of new experimental apparatus to observe freezing behaviour of water

Research Assistant 2007 – 2009

XS Labs, Department of Fine Arts,
Concordia University, Montreal, Canada – xslabs.net

- Laboratory founded by an MIT medial lab graduate in wearable technology.
- Assumed responsibility for all visual and web communication of the lab.
- Delivered printed material for multiple projects in form of catalogs, posters, custom project visual communication.
- Designed and implemented numerous promotional websites with concentration on interactivity.