

# Damir Cheremisov

## 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

## LANGUAGES

### English

Native proficiency

### German

Limited working proficiency

### French

Limited working proficiency

## WORK EXPERIENCE

### Mechanical Design Engineer & Industrial Designer

2023 – 2024

Repligen Corporation, Jüri, Estonia – [repligen.com](https://repligen.com)

User-centered design and research for a number of new complex biopharmaceutical filtration devices.

Introducing consistent visual design and ergonomics requirements for devices to align with visual product brand language.

Evaluation and introduction of new manufacturing methods to meet commercial targets.

Branding and interactive assembly guides for systems being manufactured in SW Composer.

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, process design, mechanical engineering, plastics and metal subcontractors.

### Product Design Development Engineer

2022

Ten Twelve OÜ, Tallinn, Estonia – [tentwelve.ee](https://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, Moscow, Russia – [zlt.group](https://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, Moscow, Russia – [aurora-group.com](https://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, Moscow, Russia – [loremipsumcorp.com](https://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](http://samocat.net)  
Skolkovo, Moscow, Russia

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](#)

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](#)

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](#)

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](http://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.

Later, as an engineer, advised members of the team in research and helped identify research opportunities with my scientific understanding