

# Maksim Dziatlovich

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## EDUCATION

### Northwestern University

*Bachelor of Science - Mechanical Engineering; GPA: 3.85*

Evanston, IL

*September 2019 - June 2023 (anticipated)*

### Northwestern University

*Master of Science - Robotics and Control (Undeclared)*

Evanston, IL

*November 2021 - June 2023 (anticipated)*

### United World College Changshu China

*International Baccalaureate (High School); GPA: 3.37*

Changshu, China

*August 2017 - May 2019*

## EXPERIENCE

### Norris University Center

*Production Assistant (Part-time)*

Evanston, IL

*March 2020 - Ongoing*

- **Event Organization:** Assisted full-time production team with setting up and tearing down event locations.
- **Methods and Safety:** Introduced more efficient and safer ways of handling and storing equipment.

### Academic Support and Learning Advancement Center

*Engineering Analysis Tutor (Part-time)*

Evanston, IL

*November 2021 - Ongoing*

- **One-on-one peer tutoring:** Helped multiple students to develop new learning strategies for efficiently studying lecture material
- **Noticeable Improvement:** Over 10 students have improved their academic standing as a result of academic guidance.

### Criola, LLC

*Technical Consultant (Intern)*

Minsk, Belarus

*September 2020 - June 2021*

- **Equipment and Products:** Researched and provided guidance on the optimal solutions for cattle care and milk production.
- **Corporate Website Development:** Worked closely with the company's web developers to optimize interface and experience of the corporate website and the online store.
- **Impact:** Secured business contracts and communication channels with multiple European preservative producers.

## PROJECTS

### Custom Gibson Les Paul Replica

*March 2020 - Ongoing*

- Designed a CAD model and toolpaths of a Gibson Les Paul electric guitar in Fusion 360.
- Manufactured on a CNC router using the CAM files.

### Aperture Science Sentry Turret Replica (Portal 2)

*August 2021 - Ongoing*

- Using in-game 3D model as a reference, designed a CAD model for a sentry turret for further 3D printing.
- To be equipped with motors for arm movement and computer vision in the final version.

### Double Ring Adjustment Design for Therapy Bands

*September 2019 - December 2019*

- Designed and manufactured a double-ring-based mechanism for adjusting the length of therapy bands.
- Mechanism and materials were heavily researched and chosen to fit the needs and requirements of the therapy patients.

### Yearbook for the Graduating Class of 2019, UWC Changshu China

*September 2018 - May 2019*

- Organized and managed the production of the yearbooks presented to the graduating class of 2019 in United World College Changshu China.
- Designed and illustrated major sections sections of the yearbook, including personal pages for the graduating students, faculty, events, and student submitted photos.

## RESEARCH

**Effect of Wall Placement of Loudspeakers on Standing Waves:** Using multiple microphones, tested how different wall placements of 2 loudspeakers affect the number of standing waves in the room as well as the quality of transmitted audio. (March '19)

## SKILLS

### Modelling and Simulation:

Siemens NX, Solidworks, Inventor, Fusion 360, AutoCAD, CoppeliaSim

### Manufacturing:

Machining, CNC Machining, 3D Printing, Casting, Metal Forming, Injection Molding

### Programming and Frameworks:

Python, Matlab, HTML, CSS, JavaScript, Vue, ROS

### Design and Animation:

Photoshop, Illustrator, After Effects, Premiere Pro, InDesign

### Typesetting:

Microsoft Office, L<sup>A</sup>T<sub>E</sub>X

### Spoken Languages:

English, Russian, Belarusian, German (upper-intermediate), Japanese (intermediate)

### Soft Skills:

Leadership, Event Management, Writing, Public Speaking, Time Management

## HONORS AND AWARDS

**Northwestern Scholarship, Davis UWC Scholar, Buffet Institute Grant**

*September, 2019*

**Second Place at UWC Changshu China Hackathon**

*March, 2019*

**Repeated Nominee for End-of-Semesters Honors**