Maksim Dziatlovich

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Education

Northwestern University Evanston, IL
Bachelor of Science - Mechanical Engineering; GPA: 3.85 *September 2019 - Ongoing*
Northwestern University Evanston, IL
Master of Science - Robotics and Control (Undeclared) *November 2021 - Ongoing*
United World College Changshu China Changshu, China
International Baccalaureate (High School); GPA: 3.37 *August 2017 - May 2019*

Experience

Norris University Center Evanston, IL
Production Assistant (Part-time) *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 Evanston, IL
Engineering Analysis Tutor (Part-time) *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 Minsk, Belarus
Technical Consultant (Intern) *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, LaTeX
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 Changhu China Hackathon *March, 2019*
Repeated Nominee for End-of-Semesters Honors