**Jonah Belman**

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**EDUCATION**

*Candidate for BASc, Mechatronics Engineering* / Sept 2019 - Present

University of Waterloo, Waterloo, ON

**PROFESSIONAL EXPERIENCE**

*Team Lead* / UW Baja SAE Team, Waterloo, ON 01/2021 - Present

* Restarted an inactive team and was voted to be overall team lead
* Actively leading powertrain sub-team and overseeing electrical, chassis and ergonomics, vehicle dynamics, and operations sub-teams
* Instruct new members to use SolidWorks for modelling and ANSYS for structural analysis

*Robotics Engineering Specialist* / Top Hat Robotics, Kitchener, ON 09/2020 - 12/2020

* Modelled and assembled robotic skeletons and chassis for sidewalk snowplows
* Updated battery storage department leading to a 300% increase in robot’s battery life
* Managed electrical components and power distribution in several robots
* Soldered and wired components to custom PCBs

*Founder/Co-Owner* / Toronto Custom Woodworking, Toronto, ON 05/2019 - 09/2020

* Designed and constructed one-of-a-kind modern furniture pieces for clients
* Communicated with clients to fully understand their custom orders and provide project timeline updates
* Managed social media account (@tocustomwoodworking on Instagram) to reach out to future clients

*Engineering Co-op* / ORION, Toronto, ON 01/2020 - 05/2020

* Installed fibre-optic servers and switches into province-wide server rooms
* Managed company assets and inventory, saving the engineering team 3 hours/week, on average
* Programmed several automation processes on Customer Relation Management software

**NOTABLE ACHIEVEMENTS AND PROJECTS**

*Chassis Design Session* / Online, January 2021

* Instructed members of my Baja SAE team through the SolidWorks process of modelling a roll-cage/chassis
* Designed sample chassis and 1/100th model of the Eiffel Tower for students to follow along

*1st Place – Weizmann International Physics Competition* / Israel, April 2019

* Designed and constructed an “safe” with locking mechanisms based on principles of physics
* Programmed and wired electronic components of the safe
* Awarded 1st place in worldwide competition of 144 teams

To see my portfolio, please visit jonahbelman.me

**TECHNICAL SKILLS**

* AutoCAD, SolidWorks, GD&T, Soldering, Graphic Design, Adobe Photoshop, HTML, CSS, Java, C++, SQL, Microsoft Office, CRM