

Brielle Chenier

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SUMMARY OF QUALIFICATIONS

- **CAD:** Certified Solidworks Professional (CSWP), AutoCAD
- **Mechanical:** Experience with band saws, chop saws, laser cutters and 3D printing
- **Programming:** Java, HTML/CSS, C++, Arduino
- **Soft Skills:** Leadership, Communication and Team Work

EXPERIENCE

- **Team Captain and Outreach Lead** **Bellevue, USA**
FIRST Robotics, Team 2412 *September 2016 - June 2020*
 - Ran team meetings for 60 member team
 - Coordinated and oversaw robot build and integration
 - Mechanical sub team lead, primary CAD leader for 2019 robot climb system
 - Organized over 30 STEM outreach events, including starting a robotics summer camp for 3rd-5th grade students
 - Qualified for the World Championships
- **Classroom Aide and Science Educator in Training** **Seattle, USA**
Pacific Science Center *Summer 2018, 2019*
 - Taught STEM lessons, topics included: programming, robotics, science and nature
 - Engaged struggling campers and enabled them to complete activities
- **Courtesy Clerk** **Redmond, USA**
Quality Food Center *March - July 2020*
 - Created a safe and welcoming environment for customers
 - Ensured cleanliness and safety of the facility

PROJECTS

- **Camera Gimbal**
Waterloo Aerial Robotics Group *September 2020 - Now*
 - Developed a 2 axis camera gimbal for a GoPro, designed in Solidworks
 - Gimbal used on plane for vision tracking during competition
- **Website Development**
HTML/CSS *March - May 2020*
 - Self-taught HTML and CSS in order to create a personal website
 - Learned references, text formatting, styles and forms
 - Used website and form submissions to sell face masks and raise money for local non profits

EDUCATION

- **University of Waterloo**
Candidate for BAsC in Mechatronics Engineering *2020-2025*

ACHIEVEMENTS AND INTERESTS

- **Interests:** Basketball, Music (Oboe and Flute), and Volunteering
- **Awards:** FIRST Robotics Dean's List Semi-Finalist, High School Engineering Faculty Award Winner
- **Bilingual:** English and French