

# Yueren (Randy) Bi

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## EDUCATION

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**University of Toronto**, Toronto, ON Expected May 2026

*Bachelor of Applied Science in Mechanical Engineering + PEY COOP with minors in Sustainability and Robotics and Mechatronics*

- Relevant courses: Program C, Engineering Statics and Dynamics, Engineering Statistics, Kinematics and Dynamics of Machines, Mechanical Engineering Design, Manufacturing, Circuits, Environmental Policy, Solid and Fluid Mechanics

**University of Richmond**, Richmond, VA August 2019 - May 2021

*Bachelor of Science in Business Administration, Concentration in Marketing*

**GPA: 3.84/4.00**

- Relevant courses: Micro and Macroeconomics, Financial and Managerial Accounting, Python, Business Communication

## SKILLS & INTERESTS

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**Programming:** Matlab, Python, C with Arduino

**Language:** Native in Mandarin, Fluent in English

**Machining:** Lathe, Mill, Drill Press, Soldering, Bandsaw, 3D printing

**CAD and Analysis:** Creo, Minitab, Excel, Matlab, Working Knowledge of CFD and FEA on Ansys

**Soft Skills:** Detail-oriented, Team Player, Iterative design skills, Public Speaking, Speech Consulting, Marketing, Project Managing

**Certificate:** Certified Solidworks Associate, Excel: Advanced Formulas and Functions

## EXPERIENCE

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**University Of Toronto Formula Racing (FSAE)**, Toronto, Canada September 2022 - Present

*Member of the Aerodynamics Team*

- Produces brake mounts and chassis parts with precision through milling and drilling in the machine shop
- Employs wet layups and infusions to create the rear and front wings, as well as a conductive carbon fiber undertray
- Engineered rear wing elements and wing support beams, which contributed to superior aerodynamics and assembly process

**RAFI Electronics**, Shanghai, China June 2023 - July 2023

*Mechanical Engineering Intern*

- Collaborated with the mechanical team to assemble demonstration products, ensuring accuracy in the assembly process
- Designed and 3D-printed mechanical components, enabling client demonstrations ahead of schedule for the electrical team
- Refined CAD designs for critical components such as joysticks and silicone buttons, contributing to a better user experience

**Engineering Strategy and Practice**, Toronto, Canada January 2022 - May 2022

*Design team leader*

- Developed project timelines, organized weekly team check-ins, and ensured project requirements were met
- Spearheaded a team in researching and fabricating prototypes for a reusable origami bag, emphasizing innovation in design
- Led the team in engineering three prototypes for the client while effectively delegating tasks and maintaining project focus

**University of Richmond Speech Center**, Virginia, United States January 2021 - May 2021

*Speech Consultant*

- Coached individuals in improving their public speaking skills and delivery, fostering their confidence in presentations
- Advised clients on speaker notes and PowerPoint slides, elevating the quality of their presentations for impactful speeches
- Developed effective social media campaigns to promote communication skills and the speech center, enhancing its visibility

## LEADERSHIP & ACTIVITIES

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**Skule Co-ed Basketball Team**, Toronto, Canada September 2021 - Present

*Team Captain*

- Planning team practices and pickup games, fostering skill development and teamwork within the team
- Organizes and recruits 30 engineering students into a co-ed basketball team, leading and representing the Skule Co-ed team
- Coaches team members during matches against other university colleges, contributing to team performance and camaraderie

**Spider Ventures**, Richmond, VA August 2020 - May 2021

*Marketing Executive*

- Led marketing team, boosting membership from 3 to 50, and initiated club website development
- Spearheaded the organization of monthly speaker events and secured funding opportunities for startups within the club
- Designed captivating social media posts and crafted engaging captions to keep club members actively involved and informed