Julie Belleville

(236) 983-3247

julie.belleville@telus.net

SUMMARY OF QUALIFICATIONS

Independent learning with UBC Orbit (satellite design team)

Knowledge of microcontrollers, programming languages, basic communication protocols

Leadership and effective communication developed through coaching debate and teaching computer camps

EDUCATION

University of British Columbia
2017-2022
o Bachelor of Applied Science
o Dean's Honour List
o Specialisation: Engineering Physics

Lord Byng Secondary School
2012-2017
o Honours in Literary Arts
o Scored 5 in AP Computer Science A, AP Calculus AB, AP Statistics, AP English Literature and Composition

SCHOLARSHIPS & AWARDS

Elizabeth & Leslie Gould Entrance Scholarship for Engineering | 2017
$2500 per year, renewable for 4 years

Tuum Est Experiential Award | 2017
$3000, initiative fund

Humanities, Top Senior English, Top Senior Science, Principal's Top Academic, Rakesh Goel Math/Science, AP Statistics 12, Chemistry 12, Physics 12, History 12 Awards | 2017
Lord Byng graduating class awards

TECHNICAL PROJECTS

UBC ORBIT, SATELLITE DESIGN TEAM | 2018
o In Canadian Satellite Design Challenge, working on a 3U CubeSat mission to use neural networks to monitor/predict macro-phenomena (e.g. fires)
o On the Command and Data Handling sub-team:
  • Created timing system from timer interrupts on STM
  • Wrote Arduino program testing communication protocols

PERSONAL WEBSITE
o Built using **HTML5**, **CSS**, **JavaScript**, and **Bootstrap**

EXPERIENCE

Byte Camp Instructor | 2017 – Present
o Instructing campers ages 9-14 in weekly technology summer camps
o Teaching 3D modelling, animation, and game-making in Blender, app-making in HTML/CSS/JS

Debate Team Member, Peer Coach | 2013 – 2017
o Founding member, coached newer members

UBC Physics Olympics, Lord Byng Team | 2017
o Worked on pre-build & competed, team placed 3rd

Green Chair Recycling | 2015 - 2017
o Supervising stations, educating about sustainability
o Began as volunteer, was then offered employment

Karate, Volunteer Teacher | 2015 – Present
o Mentoring students, leading occasional classes

SKILLS

SOFTWARE TOOLS: Basic **MATLAB**, **SolidWorks**, **Excel**

MICROCONTROLLERS: **Arduino**, **STM**

COMPUTER LANGUAGES: **Java**, **C**, **HTML5**, **CSS**, **JavaScript**, **Processing**

LAB EQUIPMENT: **Digital Oscilloscope, Function Generator, Analytical Balance, Multimeter, Breadboard and Circuitry**

LANGUAGES: **English**, **French**, conversational **Mandarin**