

Patrick SHOREY

CONTACT

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SELECTED WORK EXPERIENCE

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| SUMMER 2018 | <p>Student Researcher with RIVALLAB, Queen's University, Kingston
<i>Industrial partnership with MetalCraft Marine Inc.</i></p> <p>Performed a feasibility study of a towing tank for use in ship design. Responsible for the design and execution of a baseline test, as well as design and assembly of the testing apparatus. Acted as liaison between Dr. Rival's lab and MetalCraft. Prepared the final report. Use of MATLAB and SolidWorks</p> |
| SUMMER 2017 | <p>Student Researcher with RIVALLAB, Queen's University, Kingston</p> <p>Performed an experimental investigation into the response of a test sphere to an unsteady gust event. This particular project focused on the collection of force histories using a embedded sensor. Use of MATLAB and LabView.</p> |
| 2016 | <p>Chief Mate with MTO MARINE SERVICES, Picton</p> <p>Relief crew aboard 21-car, short run passenger ferries. Responsible for vessel loading plan, with particular attention to distribution of cargo weight.</p> |
| 2016 | <p>Bridge Watch Rating with CANADIAN COAST GUARD, Central Region</p> <p>Relief crew aboard the CCGS Griffon, a 71m multi-task vessel. Took part in buoy tending operations on Lake Ontario and the St. Lawrence seaway. Reliability clearance.</p> |
| 2013 - 2015 | <p>Captain with TORONTO BRIGANTINE INC., Toronto
<i>Holding Master 150 GT certificate (Transport Canada)</i></p> <p>Master of the youth training ship <i>Playfair</i>, an 18m, traditionally rigged sailing ship operating on the Great Lakes. Responsible for regulatory compliance, vessel operation, program delivery, ship maintenance and crew training. This included preparing and executing an annual maintenance plan, crew training schedule, and summer passage plan. Primary point of contact for suppliers, inspectors, service technicians and skilled trade workers. Also served as the owner's representative for a re-powering of the vessel.</p> |

EDUCATION

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| 2016 - PRESENT | Bachelor of Applied Science in MECHANICAL ENGINEERING
Queen's University , Kingston (3 rd year, GPA: 4.19/4.30) |
| 2008 | Bachelor of Arts (<i>hon.</i>) in SOCIOLOGY and COMPUTER SCIENCE
Concordia University , Montréal |

ACADEMIC AWARDS

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| 2017,2018 | Dean's Scholar |
| 2017,2018 | Undergraduate Student Research Award (NSERC) |
| 2017,2018 | Lorne C. Elder Scholarship in Mechanical and Materials Engineering |
| 2018 | James Hickey Memorial Prize |
| 2018 | American Society for Metals Scholarship in Mechanical Engineering |

SOFTWARE LITERACY

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| Intermediate: | MATLAB, SolidWorks, AutoCAD, Python, TEX ^{LaTeX} , Microsoft Office |
| Basic: | C, Java, LabView, Linux |