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Mr. Jeremy François Roy

Correspondence language: English
Sex: Male
Date of Birth: 6/24
Canadian Residency Status: Canadian Citizen
Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

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Primary Affiliation (*)

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Temporary

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2018/05/30 - 2019/04/30

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Website

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Social Media	https://github.com/jeremyroy
Social Media	https://www.linkedin.com/in/j%C3%A9r%C3%A9my-roy/

Mr. Jeremy Roy

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes

User Profile

Research Disciplines: Computer Engineering and Software Engineering, Electrical Engineering and Electronic Engineering

Areas of Research: Robotics and Automation, Control System

Fields of Application: Construction, Industrial Manufacturing and Production, Security, Transport

Research Specialization Keywords: Machine Learning, Mobile Robots, Path Following, Path Planning, Teach and Repeat

Degrees

2018/9 (2020/8)
Master's Thesis, Master's in Applied Science, Electrical and Computer Engineering, Queen's University at Kingston
Degree Status: In Progress

Supervisors: Dr. Joshua Marshall

2013/9 - 2018/5
Bachelor's, Bachelor of Applied Science, Major in Computer Engineering and Professional Internship, Queen's University at Kingston
Degree Status: Completed

Recognitions

2018/5
University Medal in Computer Engineering
Queen's University at Kingston
Honor

2018/3
IEEE Student Paper Competition, Queen's University, 3rd place - 25 (Canadian dollar)
IEEE, Kingston Chapter
Prize / Award

2018/2
Capstone Project Design Competition, Queen's Electrical and Computer Engineering, 3rd place - 25 (Canadian dollar)
Queen's University at Kingston
Prize / Award

2015/9 - 2016/5
George and Mary Louise Patton Scholarship - 500 (Canadian dollar)
Queen's University at Kingston
Prize / Award

2014/5 - 2018/5
Dean's Scholar
Queen's University at Kingston
Distinction

Employment

2018/6 - 2020/8
Research Assistant, Offroad Robotics
Queen's University at Kingston

2016/5 - 2017/7
Software Engineering Intern
Neptec Design Group

2013/6 - 2015/9
Camp Counsellor & Wilderness Tripper
Camp Couchiching

2012/8 - 2014/6
Trampoline Coach
Airborne Trampoline North, Kingston Aeros Trampoline

2012/9 - 2013/6
Lifeguard / Swimming Instructor
Town of Aurora

Research Funding History

Awarded [n=1]

2018/9 - 2019/8
Principal Applicant
Ontario Graduate Scholarship

Funding Sources:

2018/9 - 2019/8
Government of Ontario (Ottawa, ON)
Ontario Graduate Scholarship (OGS) Program
Total Funding - 10,000 (Canadian dollar)
Funding Competitive?: Yes

2018/9 - 2019/8
Queen's University
Ontario Graduate Scholarship (OGS) Program
Total Funding - 5,000 (Canadian dollar)
Funding Competitive?: Yes

Courses Taught

2019/01/01 - 2019/04/30
Teaching Assistant, Electrical and Computer Engineering, Queen's University at Kingston
Course Title: ELEC 274: Computer Architecture
Course Level: Undergraduate

2018/09/01 - 2018/12/31
Teaching Assistant, Electrical and Computer Engineering, Queen's University at Kingston
Course Title: ELEC 371: Microprocessor Interfacing and Embedded Systems
Course Level: Undergraduate

Mentoring Activities

2018/9 - 2019/6

Team Mentor, Lake Effect Robotics (Local First Robotics Competition team)
Number of Mentorees: 40
The First Robotics Competition is an international robotics competition for high school students in which they build and compete a game-playing robot. I am mentoring a local team of approximately 40 students. Along with other mentors, I am developing and realizing activities that teach students how to write programs for their robot and how to use software development tools such as git and Visual Studio Code.

Event Participation

Attendee, QHacks - Queen's University Hackathon, Conference, 2017/2 - 2017/2
QHacks is a weekend long event and is part of the Major League Hacking series of hackathons. During this activity I developed a web-browser extension to help online forum moderators find and remove abusive content. I also attended presentations and workshops run by industry experts on internet of things devices and cloud computing.

Attendee, NSERC Canadian Field Robotics Network (NFRCN) AGM 2018, Conference, 2018/6 - 2018/6
Attended the 2018 NCFRN AGM as a graduate student of Queen's University. Attended talks by industry partners about the state of field robotics in Canada. Attended a poster presentation session.

Attendee, NSERC Canadian Field Robotics Network (NCFRN) AGM 2017, Conference, 2017/5 - 2017/5
Attended the first day of the 2017 NCFRN AGM as a representative of Neptec Design Group. Attended panel discussions on topics including self-driving cars and Canadian entrepreneurship in robotics.

Attendee / Co-organizer, International Robot Sailboat Regatta (IRSR) 2016, Conference, 2016/6 - 2016/6
The IRSR is an international robotic sailboat competition held annually in North America. The goal of the competition is to create a robotic sailboat that is capable of navigating through a series of challenges with minimal human intervention. During this competition I both competed with the team from Queen's University (QMAST) and helped organize the presentation competition.

Community and Volunteer Activities

2015/3 - 2016/6

Software Manager, Queen's Mostly Autonomous Sailboat Team (QMAST)
Designed and implemented the team’s first autonomous sailing algorithm. Performed system-level debugging while integrating hardware and software components. Tutored new team members by running git, Redmine, and Arduino workshops. Communicated the progress of the software team to the rest of the executive team. Placed 2nd at the 2016 International Robotic Sailing Regatta (IRSR).

2014/9 - 2015/4

IT Manager, Engineering Society of Queen's University
Developed HTML e-mail newsletter templates compatible with the user-side template editor of ListServ. These templates are still in use today. Gained experience working with FileZilla to host external e-mail template content on the Engineering Society’s server.