

Pavel Yarmak

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Education

Medical Doctor Candidate

UNIVERSITY OF MANITOBA

Winnipeg, MB

Aug 2016–Present

Computer Programming Applications

RYERSON UNIVERSITY

Toronto, ON

Sept 2015–May 2016

Honours Bachelor of Science—Psychology and Neuroscience

UNIVERSITY OF TORONTO

Toronto, ON

Jun 2013

Clinical Electives

OPHTHALMOLOGY

Oculoplastic & Strabismus Surgery

UNIVERSITY OF TORONTO

Toronto, ON

Dec 2019 (2 weeks)

Ophthalmology & Visual Sciences

DALHOUSIE UNIVERSITY FACULTY OF MEDICINE

Halifax, NS

Nov 2019 (2 weeks)

Ophthalmology & Visual Sciences

DALHOUSIE UNIVERSITY FACULTY OF MEDICINE

Cape Breton, NS

Nov 2019 (2 weeks)

Ophthalmology

UNIVERSITY OF MANITOBA MAX RADY COLLEGE OF MEDICINE

Winnipeg, MB

Oct 2019 (2 weeks)

Ophthalmology Research

UNIVERSITY OF MANITOBA MAX RADY COLLEGE OF MEDICINE

Winnipeg, MB

Oct 2019 (2 weeks)

BREADTH

Family Medicine

UNIVERSITY OF MANITOBA MAX RADY COLLEGE OF MEDICINE

Winnipeg, MB

Jan 2019 (2 weeks)

Diagnostic Radiology

UNIVERSITY OF MANITOBA MAX RADY COLLEGE OF MEDICINE

Winnipeg, MB

Dec 2019 (2 weeks)

Early Exposures

Ophthalmology

UNIVERSITY OF MANITOBA MAX RADY COLLEGE OF MEDICINE

Winnipeg, MB

Aug 2017 (2 weeks)

Research Experience

Co-Principal Investigator

UNIVERSITY OF MANITOBA

SUPERVISOR: DR. MATTHEW LEE-WING

Winnipeg, MB

Dec 2016 - Present

- Retrospective chart review study investigating endophthalmitis rates in patients with concurrent cataracts and entropion/ectropion.
- Obtained Research Ethics Board approval and renewals.
- Wrote software to run multiple statistical analyses and generate figures using RStudio.

Co-Principal Investigator

UNIVERSITY OF MANITOBA

SUPERVISOR: DR. BEHZAD MANSOURI

Winnipeg, MB

Mar 2017 - Present

- fMRI study investigating novel amblyopia treatment using rTMS coupled with neurocognitive rehabilitation exercises.
- Conducted background literature review for funding application.
- Generated visual stimuli using Psykinematix and calibrated the experimental fMRI setup.

Research Assistant

Toronto, ON

ST. MICHAEL'S HOSPITAL NEUROSCIENCE RESEARCH PROGRAM
SUPERVISOR: DR. TOM SCHWEIZER

Dec 2012 - Dec 2013

- Co-authored a paper on improving treatment outcomes for MS patients suffering from depression.
- Administered cognitive testing to patients at the memory clinic.

Publications

- Hung, Y. *et al.* Dissociations of cognitive inhibition, response inhibition, and emotional interference: Voxelwise ALE meta-analyses of fMRI studies. *Human brain mapping* **39**, 4065–4082 (2018)
- Hung, Y. *et al.* Impaired frontal-limbic white matter maturation in children at risk for major depression. *Cerebral Cortex* **27**, 4478–4491 (2016)
- Hung, Y. & Yarmak, P. Neurorehabilitation for Multiple sclerosis Patients with emotional Dysfunctions. *Frontiers in neurology* **6**, 272 (2016)

Presentations

Pavel Yarmak, Matthew Lee-Wing, Guillermo Rocha. Preliminary analysis of postoperative endophthalmitis rates in patients with concurrent lower eyelid malposition and cataract.

Abstract presented at: University of Manitoba Department of Ophthalmology 5th Annual Research Day. May 11, 2018. Winnipeg, MB.

Work Experience

Dean's Office Summer Student

Winnipeg, MB

RADY FACULTY OF HEALTH SCIENCES

Jun–Aug, 2018

- Performed preliminary business analysis of the implementation logistics of a new curriculum management system.
- Synthesized an initial implementation design based on input from various stakeholders.
- Created a positive working environment by ensuring a smooth onboarding process for the software developer and business analyst through generating robust documentation.

Grad Faculty—MCAT Instructor

Toronto, ON

KAPLAN, INC.

Mar 2016–Aug 2016

- Prepared and delivered high-impact lectures on various medical topics to pre-med students.
- Promoted excellence in learners by providing personalized support to students who required extra assistance after class.

Teaching Assistant—Neurobiology of Behaviour (HMB300H)

Toronto, ON

UNIVERSITY OF TORONTO DEPARTMENT OF HUMAN BIOLOGY

Jan–May 2013, 2014

- Prepared well-organized lesson plans and facilitated interactive in-class tutorials.
- Consulted on administrative matters such as granting deadline extensions.
- Focused on learner welfare by supplementing in-class hours with online office hours using Google Hangouts.
- Produced guides and notes for students who were unable to attend the in-class tutorial sessions.

Summer Access Worker

Winnipeg, MB

SOCIETY FOR MANITOBIANS WITH DISABILITIES

Jun 2011–Sept 2014

- Eliminated barriers to clients of lower socio-economic status by having meetings with children and their families in their own homes.
- Provided personalized care based on the wishes of parents, their children, and other care providers.
- Planned engaging, accessible, and inclusive community activities in which to partake with clients.

Leadership

COMMITTEES

Committee Member, Rady Faculty of Health Sciences Curriculum Management System Operations

Jan 2018–Present

- Promoted smooth implementation by anticipating challenges such as privacy concerns and barriers to rollout.
- Identified primary stakeholders to be consulted in order to adequately address all user needs.
- Maintain attainable timeline goals by prioritizing tasks and keeping all stakeholders informed of potential limitations up-front.

Committee Member, Rady Faculty of Health Sciences Curriculum Management System Steering

Jan 2018–Present

- Identified critical gaps from the student end-user experience perspective.
- Liaison between the student body, curriculum management, and development teams.

Invited Special Member, Committee on Online Learning

Nov 2016–Present

- Facilitated informed discussion by group members through providing technical expertise.
- Serve as a communications liaison between various committees to keep all parties informed.

Committee Member, Creating Space VII (CCME pre-conference) planning*Dec 2016–Apr 2017*

- Critically appraised submitted abstracts.
- Generated visually engaging materials for conference attendees.
- Created and maintained a website for conference proceedings.

Executive Member, Student Interest Group in Neurology (SIGN)*Oct 2016–Jun 2017*

- Recruited new members by marketing SIGN activities to new students and strengthened existing relationships with faculty, local neurologists, residents and medical students interested in SIGN by hosting social events.
- Ensured continuity by training the incoming executive members.
- Worked as a team to encourage members' participation through delegation duties.

Member, Canadian Federation of Medical Students Position Paper Working Group*Mar 2016–Aug 2016*

- Collaborated with medical students from across the country to address issues with the CFMS position paper process.
- Provided insight and steered a sub-committee exploring technical solutions.
- Integrated findings into a cohesive plan presented at a subsequent general meeting.

Member, Canadian Federation of Medical Students Mobile Application Working Group*Nov 2018–Present*

- Spearheaded the creation of a committee to explore the viability of creating a mobile companion app for the CFMS.
- Conducted market research and created high fidelity mockups for board members.
- Helped identify stakeholders and solicited bids from vendors.

EXTRA-CURRICULAR ACTIVITIES**Contributor, Elentra Consortium***Jun 2018–Present*

- Contributed quality improvements to software used by medical schools throughout Canada, the United States, and internationally to enable medical students from around the world to learn in the most user-friendly and efficient manner possible.

Chief Technology Officer, University of Manitoba Journal of Medicine*Oct 2016–Present*

- Created the infrastructure for medical students and other students involved in a healthcare-related professional program at the Rady Faculty of Health Sciences to be able to develop their research and critical thinking skills through participating in a peer-reviewed research process.
- Coordinated with the editorial team and the University of Manitoba libraries to generate solutions for implementation challenges— bridging the gaps between requirements such as visual presentation of materials and platform capabilities through innovative approaches.

Video Producer, Max Rady College of Medicine UGME*Jan 2018–Apr 2019*

- Collaborated on the production of a series of informational videos for medical students to address a gap identified on accreditation review.
- Cast volunteer participants. Assisted with script editing. Participated in filming and voice-over narration.

Event Facilitator, Creating Space VII (CCME pre-conference)*Apr 2017*

- Ensured smooth, timely, delivery of workshops by providing technical support to presenters.
- Enhanced conference attendee experience by providing information and assistance.

National Information Technology Officer, Canadian Federation of Medical Students*Oct 2016–Jan 2019*

- Completely overhauled the aging CFMS technology infrastructure in order to facilitate better communication with our members.
- Implemented a custom web-based financial transaction system to allow the organization to sell goods and receive fee payments.
- Implemented a new membership authentication database allowing for increased value offerings exclusively to our members securely.
- Improved management and documentation of mailing lists, emails, etc. for easier onboarding of subsequent officers.

Volunteer, CanU Reach*Oct 2016–Apr 2017*

- Collaborated with an interdisciplinary team of students in healthcare-related professions to deliver culturally appropriate and entertaining after school programming for inner-city youth.
- Aided program participants in developing self-confidence, knowledge, and skills through developing longitudinal relationships.

Creator, Max Rady College of Medicine OPAL Learning Management System Extension*Dec 2016*

- Addressed an expressed desire from the student body to have an easier, more efficient, means to video lecture playback and lecture resource management by creating a browser-based application.

Certifications**Basic Life Support***Toronto, ON*

HEART AND STROKE FOUNDATION

*Aug 2019***Working Effectively with Violent and Aggressive States***Winnipeg, MB*

WEVAS, Inc.

*Jun 2011***Languages****English** Fluent**Russian** Fluent**Hebrew** Conversational