

Jeremy M. Allen

University of British Columbia | Faculty of Forestry
Vancouver, B.C.

jmrallen.github.io

Education

Doctor of Philosophy (Ph.D.), University of British Columbia 2023 – present

Faculty of Forestry, Department of Forest and Conservation Sciences

Remote Sensing & GIS. Thesis: *Environmental Dimensions of Armed Conflict: Drivers, Impacts, Recovery*

Master of Geomatics (MGEM), University of British Columbia 2021 – 2022

Faculty of Forestry, Department of Forest Resource Management

Remote Sensing & GIS. Thesis: *Nature of War: The Political Ecology of the 2020 Nagorno-Karabakh Conflict*

Master of Arts (M.A.), University of Toronto 2020 – 2021

School of Graduate Studies, Department of Near and Middle Eastern Studies

Geography. Thesis: *Environmental Science in the Turkish Republican Period*

Bachelor of Arts (B.A. Hons.), McGill University 2017 – 2020

Faculty of Arts, Major in History & Philosophy, Minor in Persian

Thesis: *Qaḥṭy-e Bozorg 1288 Qamarī: The Political Ecology of Famine in Nineteenth Century Iran*

Dean's Honour List — awarded for being in the top 10% of the faculty

Employment & Work Experience

Graduate Teaching Assistant (GTA II) Winter 2025

University of British Columbia, Faculty of Land and Food Systems

Teaching assistant for FRE 490 – Spatial Data Science

Graduate Teaching Assistant (GTA II) Summer 2024

University of British Columbia, Faculty of Forestry

Led lab sessions for UFOR 511 – Geomatics Principles and Applications

Graduate Teaching Assistant (GTA II) Fall 2023

University of British Columbia, Faculty of Forestry

Led lab sessions for BEST 308 – Land Use Management and Planning

Graduate Research Assistant (GRA) Summer 2023

University of British Columbia, Faculty of Forestry

- Updated GEM 521 – Advanced Earth Observation and Image Processing
- Updated the workflow of the spectral angle mapper tool in ENVI
- Updated lab data to include new hyperspectral imagery from the EnMAP satellite mission

Teaching Assistant (GTA II)

Winter 2023

University of British Columbia, Faculty of Forestry

Led lab tutorials for GEM 511 – Advanced Geographic Information Systems for Environmental Management, a graduate-level GIS course focusing on geographically weighted regression, machine learning, and network analysis

Visiting Instructor & Researcher

2022 – 2023

University of Central Asia, Khorog Campus

- Taught EAES 3721 – Applications in GIS and Remote Sensing, focusing on using R to analyse 2D and 3D geospatial data
- Assisted with MSRI fieldwork and field trips, including gathering ice samples from Pik Karl Marx glacier and leading field trips to Barsem and Wakhan
- Participated in a HEC-RAS/HMS workshop hosted by AKAH

Geospatial and Data Visualization Specialist

2021 – present

Canadian Friends of Sabeel (CFOS) / Contract

- Built an animation of United Nations General Assembly voting records over the past 20 years using QGIS and R
- Video editing in Adobe Premiere Pro

Research Assistant

2020 – 2021

Iranica Project / University of Toronto & Encyclopædia Iranica

- Compiled two new specialized encyclopedias as part of the Toronto Initiative for Iranian Studies, under the auspices of the Encyclopædia Iranica Foundation
- Reference management

GIS Specialist & Map Curator

2020 – 2021

1947 Partition Archive / Internship

Worked with the archivist and GIS/tag verifying teams to ensure the quality of the archive website's story map; wrote an R script that automated the georeferencing of locations

Research Assistant

2019 – 2020

McGill University, Institute of Islamic Studies

Worked with Dr. Ashhan Gürbüz, compiling primary source material related to tobacco, coffee, and medicine in the early modern Ottoman Empire

Swimming Instructor

2015 – 2020

City of Pointe-Claire, Quebec

Swimming instructor for children with physical and mental disabilities

Conferences & Publications

The Workshop in Environmental Economics and Data Science (TWEEDS) *April 2025*

Portland, Oregon / Speaker

Declassified KEYHOLE Imagery: The Origins of Earth Observation

Food and Resource Economics Seminar, UBC *April 2025*

Vancouver, Canada / Speaker

Socioeconomic Change and Land Use: Evidence from Tajikistan

Global Land Programme Open Science Meeting (OSM 5) *November 2024*

Oaxaca, Mexico / Speaker

Conflict Dynamics and Land Use: Mechanisms of Conflict Disturbance in Transboundary Central Asia

European Geosciences Union (EGU) General Assembly *April 2024*

Vienna, Austria / Speaker

Detecting Disturbance to Agricultural Productivity from Historical Armed Conflict in Afghanistan: The Panjshir Offensives, 1980–1985

International Association for Landscape Ecology (IALE) *July 2023*

Nairobi, Kenya / Speaker

Assessing the Impact of Conflict on Local Food Production in Badakhshan: 1967–2013

MEICON Conference *April 2022*

University of British Columbia / Speaker

Nature of War: The Political Ecology of the 2020 Nagorno-Karabakh Conflict

Indian Ocean World Centre, McGill University *May 2021*

Montreal, Canada / Speaker

Environmental Crises in the Indian Ocean World since 1800

Awards & Funding

MFRE Graduate Research Award *Spring 2025*

Funding to support doctoral research in the field of food and resource economics (CAD \$10,000)

Mary and David Macaree Fellowship *Winter 2024*

Funding to support doctoral research on sustainability of agriculture and forest ecosystems (CAD \$1,750)

IDRC International Doctoral Research Awards (IDRA) *Fall 2023*

Funding to support doctoral fieldwork in Tajikistan (CAD \$16,590)

Mary and David Macaree Fellowship

Fall 2023

Funding to support doctoral research on sustainability of agriculture and forest ecosystems (CAD \$2,800)

Four Year Fellowship, University of British Columbia

Winter 2023

Funding to support doctoral research ($4 \times$ CAD \$18,000 + tuition)

SELECT Funding Grant

Spring 2021

Faculty of Arts and Science, University of Toronto (CAD \$2,500)

Dean's Special Undergraduate Travel Fund Award

Summer 2019

McGill University (CAD \$2,500)

Intensive Persian Language Summer Course

Summers 2018 & 2019

International Centre for Persian Studies (ICPS), University of Tehran

Thérèse Casgrain Foundation Award

Spring 2015

For advancing Thérèse Casgrain's heritage through community service (CAD \$1,000)

Volunteering & Service

Graduate Student Representative

2023 – present

Department of Forest & Conservation Sciences

Council Member

2023 – present

UBC Forestry Graduate Student Association

Volunteer

Summer 2023

UBC Farm

Persian (Farsi) Translator

2022 – present

Downtown Eastside Neighbourhood House

V.P. Events

2018 – 2020

McGill World Islamic & Middle East Studies Students' Association

Staff Writer — Iran & the Caucasus

2018 – 2019

McGill International Review

Languages

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|--------------------------------|--|
| French | Fluent |
| Persian (Farsi, Tajiki) | Advanced Farsi, working knowledge of Tajik |
| Arabic (MSA) | Beginner |

Skills & Technology

R • Python • JavaScript (Mapbox GL JS, GEE) • ArcGIS Pro • QGIS • ENVI • eCognition • Blender