

Jeremy M. Allen

University of British Columbia | Faculty of Forestry
Faculty of Land and Food Systems, Food and Resource Economics Group
Vancouver, B.C.

Education

Doctor of Philosophy (Ph.D.), University of British Columbia	<i>2023 – present</i>
Faculty of Forestry, Department of Forest and Conservation Sciences	
Food and Resource Economics. Thesis: <i>Environmental Dimensions of Armed Conflict: Drivers, Impacts, Recovery</i>	
Master of Geomatics (MGEM), University of British Columbia	<i>2021 – 2022</i>
Faculty of Forestry, Department of Forest Resource Management	
Remote Sensing & GIS. Thesis: <i>Nature of War: The Political Ecology of the 2020 Nagorno-Karabakh Conflict</i>	
Master of Arts (M.A.), University of Toronto	<i>2020 – 2021</i>
School of Graduate Studies, Department of Near and Middle Eastern Studies	
Bachelor of Arts (B.A. Hons.), McGill University	<i>2017 – 2020</i>
Faculty of Arts, Major in History & Philosophy, Minor in Persian	
Thesis: <i>Qahty-e Bozorg 1288 Qamari: The Political Ecology of Famine in Nineteenth Century Iran</i>	
Dean's Honour List — awarded for being in the top 10% of the faculty	

Work Experience

Graduate Teaching Assistant (GTA I)	<i>Winter 2026</i>
University of British Columbia, Faculty of Forestry	
Teaching assistant for CONS 452 – Global Perspectives Capstone	
Graduate Teaching Assistant (GTA II)	<i>Winter 2025</i>
University of British Columbia, Faculty of Land and Food Systems	
Teaching assistant for FRE 490 – Spatial Data Science	
Graduate Teaching Assistant (GTA II)	<i>Summer 2024</i>
University of British Columbia, Faculty of Forestry	
Led lab sessions for UFOR 511 – Geomatics Principles and Applications	
Graduate Teaching Assistant (GTA II)	<i>Fall 2023</i>
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. Aslıhan 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 × 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 – 2023*

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

French	Fluent
Persian (Farsi, Tajik)	Intermediate
Arabic (MSA)	Beginner

Skills & Technology

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