

Neil Van Kanegan

Geochemist and Planetary Scientist in Training

Natural History Building 4049-E, 1301 W. Green St., Urbana, IL 61801 | (312)-478-3118 |
niv2@illinois.edu

EDUCATION

Degree-Granting Institutions:

University of Illinois Urbana-Champaign

- Doctor of Philosophy, Geology, Expected 2027
- Master of Arts, Religion, Expected 2024

Advisors/PIs:

Craig C. Lundstrom, PhD (Geology)

Richard Layton, PhD (Religion)

Relevant Coursework:

Geology:

Advanced Field Geology, Planetary Systems, Isotope Geology, Magmatism & Plate Tectonics

Religion:

Early Christian Thought, Religion in American Cinema, Graduate Intro to Religion

Calvin University

- Bachelor of Science, Geology, 2022
 - Certificate, Geographic Information Science
 - *Cum Laude*
 - *Graduation with Distinction*
- Bachelor of Arts, Philosophy, 2022
 - Minor, Archaeology
 - *Cum Laude*
 - *Graduation with Distinction*

Advisors:

Melinda Higley, PhD (Geology)

Rebecca Konyndyk DeYoung, PhD (Philosophy)

Darrell Rohl, PhD (Archaeology)

Amy Wilstermann, PhD (Honors)

Non-Degree Granting Institutions (by affiliation of primary faculty member):

Workshops

Kinneret College

- Digital Technologies to Study the Past and Present, 2023
 - Hosted by Drs. Efrat Kantor and Michael J. May

Brown University

- Un/Doing Cultural Analysis, 2023
 - Hosted by Dr. Thea Quiray Tagle and UIUC

University of New Mexico

- Christian-Muslim Encounters in Early Medieval Italy, 2022
 - Hosted by Dr. Sarah Davis-Secord and UIUC

Coursework

Archaeological Techniques and Research Center

- Roman Villa and Settlement Excavation, 2021
- Ground Penetrating Radar Applications, 2021
 - Hosted by Dr. Andre Gonciar

Taylor University

- Introduction to Logic, 2020
 - Hosted by Dr. Brent Kelly

RESEARCH AND LEADERSHIP EXPERIENCE

- **Calvin University**
 - Department of Geology, Geography, and Environment
 - *Teaching Assistant, Introduction to Geology*, January – April 2022
 - *Laboratory Assistant, Earth Systems*, August – December 2021
 - *Davis Young Research Fellow in Geology*, May – August 2021
 - *Teaching Assistant, Introduction to Geographic Information Systems*, January – May 2021
 - *Map Library Curator*, September 2020 – May 2021
 - *Davis Young Research Fellow in Geology*, June – October 2020
 - Department of Historical Studies
 - *Student Researcher in Archaeology*, August – December 2021
 - Department of Philosophy
 - *Grader, Introductory Philosophy*, September – December 2021

- Mars Rover Design Team
 - *Science Subgroup Leader*, June 2020 – January 2021
- **Archaeological Techniques and Research Center**
 - Roman Villa Excavation and Geophysics Exploration
 - *Field Excavator and Ground Penetrating Radar Operator*, July 2021

RESEARCH COLLABORATIONS BY INSTITUTION

University of Illinois Urbana-Champaign (2022-Present)

Calvin University (2020-Present)

Hope College (2022)

Archaeological Techniques and Research Center (2021)

PROFESSIONAL CERTIFICATIONS

University of Illinois Urbana-Champaign

Radioactive Materials Safety (2023)

Laboratory Safety (2023)

Ethics and Responsible Conduct of Research (2020)

Calvin University

Geographic Information Science (2021)

LinkedIn

Critical Thinking (2020)

Real-World GIS (2020)

Digital Citizenship (2020)

HONORS, AWARDS, GRANTS, AND FELLOWSHIPS

Department of Religion Travel Grant (2022, total: \$750)

- Granted to students in the Department of Religion at the University of Illinois Urbana-Champaign seeking to present their research at academic conferences.

Texas/Louisiana Alumni Geology Graduate Fellowship (2022-Present, total: \$38,678)

- This fellowship is supported by University of Illinois Urbana-Champaign alumni of the Texas/Louisiana region and awarded to meritorious graduate students in the Geology Department.

Gamma Theta Upsilon Honors Society in Geography, Nu Epsilon Chapter (2022-Present)

- Membership awarded to students in the top 35% of their undergraduate class with a grade point average of at least 3.3 in three or more geography courses.

Collegiate Scholars Honors Program (2021-2022)

- For students at Calvin University, completion of this program entails maintaining a grade point average greater than 3.65, taking an honors colloquium course, and engaging in four other activities such as leading a student organization, taking on an additional major, or doing undergraduate research.

Vermeer Travel Grant (2021, total: \$665)

- Granted to students at Calvin University seeking to present their research at academic conferences.

Dean's List (2020-2022)

- Granted to students at Calvin University who earn a semester grade point average of greater than 3.50 while maintaining a cumulative grade point average of greater than 3.50.

Dr. David H. and Mrs. Iren Freeman Memorial Scholarship (2021, total: \$2,500)

- Awarded to Calvin University seniors with a grade point average greater than 3.00 who are majoring in philosophy or religion, and who demonstrate outstanding academic achievement, integrity, leadership, and continuing promise in philosophy or religion as determined by the Philosophy or Religion Departments.

Davis Young Research Fellowship in Geology (2021, total: \$4,000)

- Endowed fellowship awarded to undergraduate students at Calvin University upon acceptance to a summer research project in geology hosted by the university.

Sally and Bert de Vries Archaeology Scholarship (2020, total: \$2,800)

- Awarded to students pursuing an archaeology minor at Calvin University who demonstrate interest in archaeology and are also pursuing an archaeology field school placement.

Davis Young Research Fellowship in Geology (2020, total: \$4,000)

- Endowed fellowship awarded to undergraduate students at Calvin University upon acceptance to a summer research project in geology hosted by the university.

Entrada Scholarship (2018-2022, annual award, total: \$16,000)

- Awarded to racial minority high school students who participate in Calvin University's Entrada Program. The month-long summer program entails living in college dormitories and taking a college course for credit. Students who earn a 'B' or better in their course are awarded a \$4,000 per year scholarship renewable for four years.

Faculty's Scholarship (2018-2022, annual award, total: \$32,000)

- Awarded to incoming freshmen at Calvin University who held a high school grade point average of at least 3.10 and an ACT score of at least 20. Renewable for up to four years contingent on maintaining a 3.00 grade point average at Calvin University.

PEER-REVIEWED PUBLICATIONS (n=3)

Van Kanegan, Neil and Darrell Rohl. 2023. “Documentation and Numismatic Analysis of a Rare Mintmark on Coins from the Rome Mint, AD 278—353” *Koinon: The International Journal of Classical Numismatic Studies*, 6 (1) (in review).

Van Kanegan, Neil. 2022. “A Defense of Sally Haslanger’s Sociopolitical Account of Race” *Compos Mentis: Undergraduate Journal of Cognition and Neuroethics*, 10 (1).

Tjoelker, Adam R., **Neil Van Kanegan**, C. Renee Sparks, and Simon Detmer. 2022. “Bathymetry Based Modeling of Subaxial Magma Flows Under the Mid-Atlantic Ridge, 0 to 30° N” *The Compass: Earth Science Journal of Sigma Gamma Epsilon*, 92 (1).

Van Kanegan, Neil. 2023. “‘The Secret Report of Judgment:’ Reconstructing the Provenance and Inspirations for the Gospel of Judas” (in prep., 80% complete).

Van Kanegan, Neil. 2022. “A Geospatial and Typological Investigation of Late Antique Coins From Umm Al-Jimal, Jordan” Chapter. In *Umm al-Jimal: A Frontier Town and Its Landscape in Northern Jordan*, Vol. 2 (in prep., 40% complete).

INSTITUTIONAL HOSTS OF THE ABOVE PUBLICATIONS

University of Michigan-Flint (2022)

College of St. Benedict & St. John’s University (2022)

CONFERENCE PRESENTATIONS (n=5)

Van Kanegan, Neil. “A Geospatial and Typological Investigation of Late Antique Coins From Umm al-Jimal, Jordan.” *American Society of Overseas Research Annual Meeting*. Paper, Boston, MA, November 18, 2022.

Van Kanegan, Neil. “A Defense of Sally Haslanger’s Sociopolitical Account of Race.” *9th Calvin University-Grand Valley State University Joint Undergraduate Philosophy Conference*. Paper, Grand Rapids, MI, April 2, 2022.

Tjoelker, Adam R., **Neil Van Kanegan**, C. Renee Sparks, and Simon Detmer. “Bathymetry Based Modeling of Subaxial Magma Flows Under the Mid-Atlantic Ridge, 0 to 30° N.” *American Geophysical Union Fall Meeting*. Poster, New Orleans, LA, December 15, 2021.

Van Kanegan, Neil. “A Geospatial and Typological Investigation of Roman Coins From Umm al-Jimal, Jordan.” *American Society of Overseas Research Virtual Meeting*. Poster, Online, December 9, 2021.

Van Kanegan, Neil. “A Geospatial and Typological Investigation of Roman Coins From Umm al-Jimal, Jordan.” *American Society of Overseas Research Annual Meeting*. Poster, Chicago, IL, November 20, 2021.

OTHER ACADEMIC PRESENTATIONS (n=7)

Van Kanegan, Neil. “GIS for Numismatics: A Case Study from Umm al-Jimal, Jordan.” *Software for the Past: 3rd Workshop on Digital Technologies to Study the Past and Present*. Presentation, Online, February 13, 2023.

Van Kanegan, Neil. “CAIs and the Formation of the Solar System.” *GEOL-591: Current Research in Geoscience*. Class Presentation, Champaign, IL, January 25, 2023.

Van Kanegan, Neil. “How Magma Flow Driven by Topography Might Shape the Mid-Atlantic Ridge.” *GEOL-591: Current Research in Geoscience*. Class Presentation, Champaign, IL, September 14, 2022.

Tjoelker, Adam R. and **Neil Van Kanegan.** “How Magma Flow Driven by Topography Might Shape the Mid-Atlantic Ridge.” *GEO Department Seminar Series*. Presentation, Grand Rapids, MI, February 18, 2022.

Van Kanegan, Neil and Adam R. Tjoelker. “Bathymetry Based Modeling of Subaxial Magma Flows Under the Mid-Atlantic Ridge, 0 to 30° N.” *Calvin University STEM Division Poster Fair*. Poster, Grand Rapids, MI, October 22, 2021.

Van Kanegan, Neil. “A Shallow Subsurface Investigation of the Calvin University Campus.” *Calvin University STEM Division Poster Fair*. Poster, Grand Rapids, MI, October 23, 2020.

Van Kanegan, Neil. “A Shallow Subsurface Investigation of the Calvin University Campus.” *GEO Department Seminar Series*. Presentation, Online, October 9, 2020.

MEDIA COVERAGE

GSA Today, “Continental Magmatism and Uplift as the Primary Driver for First-Order Oceanic ⁸⁷Sr/⁸⁶Sr Variability with Implications for Global Climate and Atmospheric Oxygenation.”
https://www.geosociety.org/GSA/Publications/GSA_Today/GSA/GSAToday/Home.aspx
Geological Society of America, Vol. 32, No. 2, February 2022.
<https://www.geosociety.org/gsatoday/archive/32/2/pdf/i1052-5173-32-2.pdf>

Vanden Bosch, Lauren. “How an Interest in Maps and a Drone Hobby Led One Engineer to Geographic Information Science.” calvin.edu/news/. Calvin University, July 19, 2021.
<https://calvin.edu/news/archive/how-an-interest-in-maps-and-a-drone-hobby-led-one-engineer-to-geographic-information-science>

MEMBERSHIPS

American Society of Overseas Research (2021-Present)

American Geophysical Union (2021-Present)

Geological Society of America (2021-Present)

Calvin Mars Rover Design Team, Calvin University (2019-2021)

LANGUAGES AND TECHNICAL SKILLS

Languages: English (native), Spanish (conversational), Russian (reading), Greek (reading), Latin (reading)

Computational Skills: ArcGIS, (including ArcMap, ArcPro, and ArcGIS Online) ERDAS Imagine, Drone2Map, EKKO_Project

Academic Skills: critical thinking, grading, academic writing, undergraduate instruction, map categorization, data interpretation, scientific communication

Field Skills: hiking, camping, rock climbing, archaeological excavation, ground penetrating radar, (Sensors & Software instruments) drone operation, (DJI Mavic Mini) topographic survey