

Edward L. Vinis

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Quai aux Pierres de Taille 16, b073 Apt 7.05, 1000, Brussels, Belgium

Work Experience

Graduate Student Researcher, Tohoku University, Japan; Sept. 2022-Sept. 2024

- While pursuing a master's degree in environmental studies, received government funding to perform geochemical experiments on silica precipitation and granite
- Physically conducted high-temperature and pressure (>380 °C, 25 MPa) flow-through experiments to understand silica behavior in crustal environments
- Quantitative analyses of findings using chemical instrumentation and software
- Trained and aided fellow researchers in flow-through experiments and techniques
- Gained a detailed knowledge of silica's role in geothermal energy and seismic activity with regards to aftershocks and hypocenter migration
- Published findings in *Nat. Commun.* and presented at six international conferences

Project Administrator, Kimball Construction, USA; Jan. 2019-Aug. 2022

- While receiving a B.S. in geology, worked part-time for a general contractor to aid in homebuilding and home and commercial remodeling
- Assisted in project management, business development, and customer relationship management to grow the small business and execute successful projects
- Hired and managed subcontractors to ensure project completion by scheduling, answering questions, and resolving problems

Organic Prep Analyst I, TestAmerica Inc. (now Eurofins), USA; Mar. 2016-June 2017

- Prepared environmental samples to be analyzed for organic compound contamination using wet laboratory techniques; e.g. leachate extraction, concentrating

Quality Assurance Laboratory Technician, Grain Millers Inc., USA; Mar. 2015-June 2015

- Inspected processed grain products to meet quality standards following SOPs

Chemistry Intern, Silvan Ridge Winery, USA; Sept. 2014-Nov. 2014

- Daily physical and analytical analyses of fermenting wines during harvest season

Undergraduate Researcher, University of Puget Sound, USA; May 2013-Dec. 2013

- Received grant to perform research investigating efficient liquid crystal compounds using organic synthesis

Education

- M.S. Environmental Studies, Tohoku University, Japan; Sept. 2024
- B.S. Geology, University of Oregon, USA; Sept. 2021
Earth Science GPA 3.94
- B.S. Chemistry, University of Puget Sound, USA; May 2014
Overall GPA 3.09

Skills

Chemical/geochemical laboratory techniques/instrumentation • Construction and handling of laboratory equipment • Geologic field work and mapping • Teamwork/project collaboration • Leadership and training • Quantitative analyses and writing • Basic carpentry/handy-work construction • Business development including employee operations, hiring, and marketing • Project management/administration • Communication • Problem solving • Multitasking

Software

Python, Adobe Illustrator, Microsoft Office, *Dragonfly* CT modeling software, ArcGIS/QGIS, CRM software, LIMS software, WordPress web design