

Nick Schlotterbeck

CriticalGeography.net

Geographer | Geospatial Information Systems Analyst | Statistician

EDUCATION & TRAINING

Bachelor of Science in Geography – The Pennsylvania State University 09/2021 – 12/2023
Undergraduate Certificate in Geographic Information Systems (GIS) GPA 3.49

Courses

Calculus & Analytic Geometry
Programming & Computation
Quantitative Political Analysis

Spatial Analysis
American Politics
Geospatial Info Systems

Image Analysis
International Relations
Comparative Urbanism

Ethnobotany – University of Hawai'i at Mānoa 08/2014 – 05/2018
Sophomore High Honors GPA 3.46

Courses

Physics I & II
Applied Calculus

General Chemistry I & II
Intermediate Japanese

Organic Chemistry I & II
Intro to Financial Accounting

Biology I & II
Conservation

Accredited Training Certifications

Human Research Ethics – Collaborative Institutional Training Initiative (CITI) Issued 10/2022
• Human Subjects Internet Research (SBR) ID: 51858498 Expire 10/2025
• Social & Behavioral Research Best Practices (GBR) ID: 51858499
• Social & Behavioral Research (IRB) ID: 51858497

Emergency Adult First AID/CPR/AED – The American Red Cross Issued 08/2021
Certificate ID: 0006KG8 Expire 08/2023

Independent Study

- Since Sept 2022, finished 41 LinkedIn Learning courses earning 19 Continuing Education credits from the National Association of State Boards of Accounting (NASBA), Project Management Institute (PMI), and International Institute of Business Analysis (IIBA)
- Received credit by exam for 200-level **statistics** from Penn State through College Board advanced placement exam. Scored the same or higher than 87% of exam takers in same year

RESEARCH

Research Assistant, Penn State UROC – State College, PA 09/2022 – 12/2022
Project: Bitcoin & Sustainable Development in El Zonte, El Salvador 10 hours / week
Mentor: Ruchi Patel

- Transcribed more than 240 audio minutes of semi-structured interviews
- Retrieved over 400 relevant academic papers and implemented metadata tagging to streamline organizational workflows at no cost
- Compiled glossary of technical terms in plain language understandable by non-tech mentor
- Investigated company SEC filings, court documents, and tech white papers
- Proposed and implemented simple archival system for preservation of digital-native media
- Reported findings in 5-minute lightning presentation with PowerPoint at semester-end, free-to-public department gathering of more than 50 people

Data Collector, Social Science Research Institute – State College, PA 09/2021 – 10/2021
Project: Generalizability & Replicability of Twitter Data for Population Research 15 hours / week
Supervisor: Junjun Yin, Ph.D

- Investigated 300 pre-assigned Twitter accounts for user demographic information
- Recorded data in Excel spreadsheets and shared to restricted-access cloud folder
- Self-managed time and reported progress to direct supervisor weekly via Zoom

Research & Design Co-Lead, University of Hawai'i – Honolulu, HI 08/2016 – 05/2017
Project: "Make Ala Wai Awesome Challenge" Competition Entry 5 hours / week

- Interviewed randomly selected target end-users to define critical pain points
- Utilized principles of Agile thinking for rapid prototype testing
- Co-authored final written proposal and poster copy presented before university officials

LEADERSHIP

Crew Trainer, McDonalds – State College, PA 01/2021 – 05/2022
35 hours / week

- Crew Member of the Year 2021
- Exceeded annual sales goal of five million dollars
- Evaluated and corrected crew performance monthly in pre-selected focus areas

Assistant Director of Events, KawaiiKon – Honolulu, HI 03/2015 – 07/2019
0-5 hours / week

- Ran monthly promotional events resulting in 25% increase in ticket sales
- Coordinated with panelists, guests, and musicians prior to and during convention
- Oversaw and delegated tasks to five to fifteen volunteers at a time

ACTIVITIES & AFFILIATIONS

Onshore Processor – Vacuum Packing, Leader Creek – Naknek, AK 06/2022 – 07/2022
112 Hours / week

- Worked and lived in diverse, multilingual salmon processing center
- Set new single-day record of \$2 million processed through department
- Perfect on-time attendance – 16 hour / 7 day work-week for two months

Summer Japanese Language Study Abroad, AFS – Osaka, JP 06/2012 – 07/2012

- Two month home-stay with Japanese family in Nara Prefecture
- Four weeks of intensive introductory language lessons in downtown Osaka
- Upon return, hosted Japanese exchange student in US for one year (08/2013 – 06/2014)

FinTech Group at Penn State – Active Member 12/2022 – Present
American Statistical Association – Student Member 12/2022 – Present
Penn State Geography Club – Active Member 08/2022 – Present
American Association of Geographers – Student Member 08/2022 – Present

SKILLS

Examples at CriticalGeography.net

Software: ArcGIS, ArcMap, ENVI, RStudio, CrimeStat IV
Microsoft: Excel, Word, PowerPoint, Outlook, OneDrive, SharePoint, Teams
Languages: Python, R, XML, html, css, Markdown
Statistics: Multivariate correlation & regression, ANOVA, Hypothesis testing, Autocorrelation, Time-series, Principal component analysis
Data: Dynamic Visualization, Security & Privacy, Governance & Ethics
Other: Digital Preservation, Website Creation