

Kathryn B. Noto

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Personal Summary

Highly motivated developer with a strong mathematical background and ten years of experience adapting environmental risk models for University of Tennessee and EPA sponsored websites

Education

Maryville College, Maryville, TN

Bachelors of Arts in Mathematics, Computer Science, 2009

Thesis: A web-based interface for converting radioactivity to a count rate measurable by field instruments

Work Experience

Oak Ridge National Laboratory, Oak Ridge, Tennessee

Research Software Engineer, March 2019 - present

Research Associate, June 2009 - March 2019

- Collaborate with EPA sponsors to develop, model, and scale mathematical models to provide environmental cleanup decision assistance
- Design and develop a stable production environment with PHP (LAMP), Perl, SAS, jQuery, JavaScript, and Oracle and maintain and refactor existing code
- Lead and manage a team of interns design, develop, and integrate summer projects
- Adapt and program environmental risk models according to exposure guidelines presented by EPA, DOE, IAEA, NRC, and other governing entities
- Lead programmer of geographic information system (GIS) software Spatial Analysis and Decision Assistance (SADA) with VB.NET for advanced geospatial analysis and mapping

University of Tennessee, Knoxville, Tennessee

Research intern in the Mathematics department, Summer 2008

- Participated in an NSF sponsored research experience for undergraduates (REU) studying topics in combinatorial topology and graph theory
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Skills

- Technical: LAMP development environment, Perl, jQuery, JavaScript, SAS, CSS, VB.NET, SQL, C++, Java, Python, Microsoft Suite; Mac, Windows, and Linux OS
 - Other: Collaborating and working in a team environment with Trello, GitHub, Slack
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Conferences and Career Development

- *SADA: Freeware Spatial Risk Tool* (Noto, K., Stewart R., Dolislager F., Burgess, M.) Poster Presented at Society for Risk Analysis 2017
- Higher Education Research Experience (HERE) Participant, 2009 - 2012
- Student Undergraduate Laboratory Internship (SULI) Participant, Summer 2009
- University of Tennessee Mathematics REU Participant, Summer 2008