

# Dean Krueger

132 E Wilson St., Apt 702 – Madison, WI 53703 – United States

☎ +1 (314) 677 7153 • ✉ dean.krueger@wisc.edu

🌐 dean-krueger.github.io • in deankrueger • 🌐 Dean-Krueger

## Education

### University of Wisconsin-Madison

*PhD - Nuclear Engineering (In Progress)*

Economic Modeling of the Nuclear Supply Chain

**Madison, WI**

*2023–Present*

### University of Colorado at Boulder

*BA - Physics*

**Boulder, CO**

*2016–2020*

## Skills

**Technical Skills:** Supply Chain Modeling, Core Design (OpenMC, SCALE, ANC), Technical Writing

**Programming Languages:** C++, Python, Julia, HTML, CSS

**Soft Skills:** Leadership, Problem-solving, Customer Interface, Sales and Support

## Projects

**Tricycle:** A module for the nuclear fission supply chain modeling code CYCLUS which aids in the modeling of fusion systems.

**CYCLUS Front-End Realism:** A modification to CYCLUS to enhance the realism of its supply chain front-end modeling.

## Work Experience

### Westinghouse Electric Company

*Core Engineering Intern*

Designed loading patterns and performed preliminary safety analysis for nuclear design projects in the Core Engineering department.

**Cranberry Township, PA**

*2024*

### Vescent Photonics

*Field Applications Engineer*

Advised customers on design and implementation of atom trapping, saturated absorption spectroscopy, and quantum computing experiments to accelerate their ability to collect valuable data.

**Golden, CO**

*2021–2023*