Jieun Yoo

Portfolio: https://jieun-portfolio.netlify.app
Publications: https://inspirehep.net/authors/1358173

Summary of Skills

- Unique mix of technical, communication, and writing skills developed through experience in programming and designing and developing educational curricula

- Ability to manage and work across multiple content areas

- Ability to simplify complex concepts in a variety of specialized fields

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Programming

- Languages: C++, Python, Javascript

- Frameworks: React, Node, Express, Flask

- Development Tools: Git, Heroku, Docker, Netlify, Auth0, Firebase, AWS

Education

- M.S., Physics, *Texas Tech University*   2013

- M.A., Political Science, *University of Chicago*   2001

- B.A., Political Science, *Middlebury College*   1999

Experience

- Freelance Curriculum Designer, Opportunity Education   9/19 - present
  - Designed and wrote math curriculum modules for "quests" which are online math modules currently used by Opportunity Education schools
  - Reviewed and edited quests from other math team members
  - Completed data inventory, entry, analysis

- Freelance Translator, Cactus Communications   8/17 - 12/17
  - Carried out Korean-to-English translations of technical documents, scientific papers, and speeches

- Research Assistant, University of Houston   2015 - 2016
  - Wrote software using C++ and Python to help analyze data from the CAPTAIN experiment (neutrino physics experiment)
  - Wrote technical documentation and filed bug reports
  - Updated the software wiki
  - Managed the website for the CAPTAIN-MINERvA experiment (prospective, but unfunded project)

- Research Assistant, LSU   2013 - 2015
  - Analyzed physics data from the T2K experiment (neutrino physics experiment) using C++ and Python
  - Used SQL to enter and modify data

    – Presented research findings at national and international meetings

- Teaching Assistant, Texas Tech University   2011 - 2013

    – Taught undergraduate physics labs, led recitation sections

- Freelance Translator   2009 - 2011

    – Translated Jeonju University official documents from Korean into English