CURRENT ADDRESS
121 W Wood St. Apt 20
West Lafayette, IN 47906

DAVID KANG

(224) 715-1616
kang284@purdue.edu

PERMANENT ADDRESS
18296 W Meander Dr.
Grayslake, IL 60030

Objective

I am a third year Nuclear Engineering student at Purdue University seeking ways to develop professional skills and to work toward solving challenging, real-world problems with an ever-growing collection of experiences to draw from.

Education

PURDUE UNIVERSITY, WEST LAFAYETTE IN – *Bachelor of Science, Nuclear Engineering* MAY 2021

Member of Purdue's Honors College
Active member of American Nuclear Society
Pursuing minors in Mathematics and Physics
Cumulative GPA: 3.38/4.0, Semester Honors

Relevant Experience

UNDERGRADUATE RESEARCH ASSISTANT AUGUST 2019 – PRESENT

Thermal Hydraulics and Reactor Safety Laboratory, Purdue University

- Currently aiding in the construction of the Purdue Inclined Two-phase Air-water (PITA) separate-effects test facility
- This facility is designed to study the effects of inclination and pipe curvature on two-phase flow

Semester Objectives:

- Learn about the principles of flow instrumentation and how to use them in practice
- Gather experimental data on flow regimes and two-phase pressure drops
- Submit a technical report at the end of the semester summarizing the work performed, results, and conclusions

EID NUCLEAR ANALYSIS INTERN MAY 2019 – AUGUST 2019

GE Hitachi Nuclear Energy, Wilmington NC

- Performed 3D nuclear fuel and reactor simulations for current GE nuclear customers
- Improved the engineering simulation and analysis tools through the creation of automation scripts
- Created scripts to aid in the preparation of engineering reports to support nuclear power plant operation
- Collaborated with experienced nuclear engineers to meet analysis design objectives

PROJECTS AND EVENTS INTERN JULY 2018 – AUGUST 2018

Seminar for Top Engineering Prospects, Purdue University

- Prepared 250+ high school seniors with basic programming skills, mechatronics, and fundamental engineering principles
- Led students during industrial field trips to facilitate exploration into different engineering disciplines

HONORS ENGINEERING COURSEWORK AUGUST 2017 – MAY 2018

Honors Engineering, Purdue University

- Developed detailed project reports and design notebooks, documenting design process, cost and resource analysis, and discussion of results

Skills

- Experience with Python, C, C#, and MATLAB coding languages.
- Experience with Autodesk Inventor and Fusion 360 modeling software.
- **Language Skills:** English, Korean, Spanish

Awards and Honors

Presidential Scholarship Recipient
National Merit Scholarship Recipient
Seal of Biliteracy for Spanish Language
Semester Honors
Premio de Oro (National Spanish Exam Gold Prize)
AP Scholar with Distinction Award
National Honor Society
Spanish National Honor Society