Chris Phu

Mechanical Engineer, Federal Contractor

Contact

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Profile

Simulation analyst for the Department of Energy's Kansas City National Security Campus managed by Honeywell FM&T. Graduated from the University of Arkansas with BSME. Comfortable with both teamwork and individual sprinting. Familiar with engineering software while also leveraging programming knowledge. Always looking for unique opportunities to improve engineering and design skillsets.

Experience

Security Clearances	DOE Q Clearance Active: Jan 2020 – Present	TS/SCI Access Active: Sept 2021 – Present

Kansas City National Security Campus

Jan 2020 – Present
Kansas City, MO

Mechanical Engineer II / Simulation Analyst

- Working in Advanced Engineering Simulations and Analysis (AESA) department. Supporting work for both Defense Program (DP) and Global Security (GS). Holding active Q clearance and TS/SCI access.
- Using finite element analysis (FEA) software such as Abaqus CAE, Ansys, and Sierra to model structural mechanics, dynamics, thermal, and topology optimization (TO).
- As a Center of Excellence, modeling and simulation assists site's product realization teams. Working with 'Simulation First' vision to start modeling early in product lifecycle.
- Building Unity applications for state-of-the-art XR devices such as the HoloLens 2.
- Received 1 Bronze and 3 Silver Honeywell BRAVO recognitions. Promoted from Engineer I to Engineer II role in April 2022.

University of Arkansas

Aug 2018 – Dec 2019
Fayetteville, AR

Computer-Aided Design (CAD) Lead Tutor

- Tutored 3 weekly sessions of CAD competency for Mechanical Engineering department.
- Led students through SolidWorks demonstrations and lessons to prepare for Certified SolidWorks Associate (CSWA) exam.

Kansas City National Security Campus

May 2019 – Aug 2019
Kansas City, MO

Student Engineer / Intern

- Worked in AESA department. Learned to use FEA software such as Abaqus CAE and Sierra. Held Q clearance.
- Participated in 13-week internship activities and networked with intern group of 80+ across MO and NM sites.

Skills

SolidWorks CAD, Certified: CSWA	Autodesk Fusion 360 CAD	Abaqus CAE FEA, TO	Ansys FEA, TO
Unity / C# / Python / Lua App Dev, Programming	**Git / GitHub** Version Control	**Jira Kanban** Project Management	**HTML / CSS / Confluence** Website Dev, Programming

Education

University of Arkansas

Aug 2016 – Dec 2019

Bachelor of Science in Mechanical Engineering

- Concentration in Aerospace; Minor in Physics