

Maximilian Stump

I'm a recent college graduate seeking to start developing my skill as an engineer and put my passion for physics to good use. I am a highly motivated individual with a strong desire to further pursue knowledge in improving my quantitative and analytical skills

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Pottstown, PA 19464
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EDUCATION

Pennsylvania State University — *Bachelor of Science*

Major: Nuclear Engineering - May 2020 - GPA: 3.1/4.0

Relevant Coursework

- Engineering Mechanics
- Thermodynamics, Reactor Physics
- Circuit Analysis
- Reactor Design
- Radiation Detection and Measurement
- Statistical Thermodynamics
- Nuclear Materials
- Fluid Flow
- Neutronics
- Nuclear Security/Threat Analysis

Relevant Projects

Westinghouse Nuclear Reactor Core design

- Designed 13th cycle fuel loading pattern
- Performed safety analysis calculations
- Performed operational calculations

Vortex Ring Cannon

- Designed and built working cannon for under \$50
- Vortex rings traveled roughly 15 feet

Mine System Design

- Proposed green mining system utilizing electric powered vehicles and solar panel fields

EXPERIENCE

Physicians Care Surgical Hospital — Health Information Management

May 2016 - Present

- Responsible for the collection and maintenance of state reports for the information technology department
- Analyzed, audited, and maintained medical records to ensure data met hospital compliance
- Trained of new employees in medical record analysis
- Creation and maintenance of hospital quality data
- Led Covid-19 test collection procedures
- Scheduled and organized surgical procedures
- Correspond with insurance companies for bill collection

SKILLS

Strong team-oriented work ethics

Up to date knowledge of nuclear physics

Ability to organize and prioritize workload effectively in a corporate environment

Ability to work quickly and effectively under pressure

Ability to solve problems without an obvious answer

Ability to manage my time efficiently

Strong quantitative and analytical skills

WEBSITE

<https://www.linkedin.com/in/maximilian-stump-2aa6b01aa/>

