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**CREDENTIALS**

- ◆ *B.S. Biological Engineering, Pennsylvania State University, 2023  
Minor in Environmental Engineering*

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**PROFESSIONAL  
EXPERIENCE**

- ◆ *2023-Present ALL4 LLC, PA-Staff Engineer*

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**TECHNICAL EXPERTISE**

- ✓ *Modeling of stormwater behavior*
- ✓ *Flood and erosion mitigation*
- ✓ *Waste application analysis*
- ✓ *Monitoring of stream health*

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**PROFESSIONAL OVERVIEW**

*Benjamin Hsieh graduated from Pennsylvania State University in May of 2023 where he majored in biological engineering and minored in environmental engineering. His studies focused on mitigating stormwater, waste, pollution, and other media in ways to solve civil engineering problems. Regulatory guidelines using the PA stormwater BMP manual, post construction stormwater manual, and other handbooks were used to create designs which solved problems in flooding, erosion, pollution, and toxic loads. During his studies, he has gained experience with modeling programs such as ArcMap, SWMM, SWAT, EPANET, and HEC-HMS, which modeled the behavior of stormwater over areas with different land covers as well as civil waterline networks.*

*Ben has also gained experience with regulations on mass timber buildings after interning with Oregon State University as a seismic design intern. By modeling a three-story mass timber building both mathematically and using structural engineering software, ETABS, the load capacity and strength of every structural component was analyzed. The results were compared to the NEHRP guidelines document in order to ensure the safety and structural success of the building before, during, and after a seismic event.*