

Harper Beeson

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Work Experience

05/2022 – Present
Petal, MS

Founder & Machine Learning Engineer Beeson LLC

- Produced a proprietary convolutional network for facial landmark regression that refines its initial predictions and reduces error by 11%.
- Created a custom synthetic dataset for tracking facial landmarks that features 2,000+ landmark labels and relative expression data.
- Created and launched the *ABET-Tracker* cloud service for computing and reporting professor performance metrics.
- Configured and hosted *ABET-Tracker* servers and databases for 1 year for the University of Southern Mississippi.
- Produced and launched 4 quarterly updates to *ABET-Tracker* that added enhanced security and additional features.

01/2022 – 05/2022
Hattiesburg, MS

Software Engineer Intern University of Southern Mississippi

- Programmed over 10,000 lines of production ready Python/Django code in 2 months.
- Designed a PostgreSQL database schema for professor performance metrics that was scalable to support thousands of users.



Education

08/2020 – 05/2023
Hattiesburg, MS

Computer Science Bachelor's University of Southern Mississippi

GPA: 4.0

Led a team of 8 programmers for researching and implementing computer vision capabilities in autonomous, agricultural drones.



Software Skills

- **7 Years Experience:** C++, Unreal Engine, HTML/CSS, Blender
- **2 Years Experience:** Python, Django, SQL, AWS, JavaScript, C#, C
- **1 Year Experience:** TensorFlow, PyTorch



References

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• **Dr. Sarah Lee (Director of Computing Sciences)**
University of Southern Mississippi

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• **Dr. Partha Sengupta**
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