

Harper Beeson

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Work Experience

05/2022 – Present
Petal, MS

Founder & Machine Learning Engineer Beeson LLC

- Produced a proprietary neural network for facial landmark regression that allows the model to refine predictions and reduce error by 11%.
- Created a synthetic dataset with 2,000+ facial landmarks per sample.
- Created and launched the *ABET-Tracker* cloud service for computing teacher 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

- Programed 10,000+ lines of production ready code in 2 months.
- Designed and implemented a database schema for professor performance metrics that was scalable to support over 1,000 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

- Advanced: C++, Python, Django, Unreal Engine, HTML/CSS, JavaScript
- Intermediate: TensorFlow, PyTorch, SQL, AWS
- Misc: Blender, 3D-Modeling, Graphic Design



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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