



RECONSTRUCT Inc.

60 Hazelwood Dr., Champaign, IL 61820

JOB DESCRIPTION

Senior Computer Vision Engineer (Champaign-Urbana, Illinois)

RECONSTRUCT, INC.

Responsibilities:

1. Develop compute vision algorithms, such as structure-from-motion, multiview stereo, and semantic segmentation, and integrate them into Reconstruct's web-based system
2. Design and implement benchmarks and performance tests for evaluating algorithms
3. Write guidelines for capturing visual data that leads to high quality results from our algorithms
4. Develop and maintain infrastructure for cloud-based computing
5. Design databases and file structures to store and maintain results
6. Work with the web software team to create interfaces to display results and receive inputs
7. Diagnose and resolve failures of computer vision algorithms

Requirements:

- Master's in Electrical Engineering or Computer Science
- 48 months' experience as a digital design or computer vision engineer
- Extensive experience in C++, Python, and GPU programming
- Knowledge of 3D computer vision techniques, such as Structure-from-Motion, Multiview Stereo, and mesh modeling
- Experience with agile software development.

Send resume to: derek.hoiem@reconstructinc.com