Kyle Rood

Freelance AI Software Developer / Engineering Manager   Remote / Boston

Email: kylerood16@gmail.com   LinkedIn: https://www.linkedin.com/in/kyle-rood/

Website: https://krood20.github.io/website/

Work Experience and Skills

Lead Developer, *Resultid*   **Sept. 2021- June 2024**

Skills: Python, React, AWS (pipelines+builds, Lambda, EC2, etc.), OpenAI + Local NLP models, Jira / Linear, Mirro, SCRUM Master Certification (2021)

Results Achieved:

Software Dev → Full stack development of advanced data science website, set up and managed AWS infrastructure, leveraging NLP models to pull out relationships in text, improve user interface through design and implementation

Team Management → Started and Led SCRUM sprint practices for 2 years

Software Engineering Intern, *Navteca*   **May 2020 - Sept. 2020**

Skills: Angular, AWS (EC2), Unity

Results Achieved: Developed Angular based scheduler, Unity based extraction of geographical metadata from Geotiff files in order to determine precise spatial information

Software Engineering Intern, *LinkedSenior*   **Feb. 2020 - May 2020**

Skills: React, Java Spring,

Results Achieved: Built out functionality for resident engagement platform for nursing homes

Software Engineering Intern, *Dzyne Technologies*   **May 2019 - Sept. 2019**

Skills: Python, Docker, AWS (Lambda)

Results Achieved: Built environment to automate testing of different Computer Vision algorithms using DigitalGlobe imagery and Docker

Lead Machine Learning Researcher, *The George Washington University*   **Dec. 2017 - May 2021**

Skills: Python, Computer Vision, Big Data + Databases

Results Achieved:

Performed water depth estimation using multiband satellite imagery. This helped DZYNE Technologies with finishing DARPA project aiming to assist in response to natural disasters.

Developed FE and BE of AMOSEast (Archive of many outdoor scenes) website to collect and categorize images from free webcams posted around the world. We eventually collected a database of 3,000 cameras and over 1 billion images, being collected from each of these cameras at least daily. This is not only an incredibly unique dataset, but was used as ground truth in Computer Vision experimentation in our lab.

Python Teaching Assistant, *The George Washington University*   **Sept. 2018 - May 2021**

Skills: Python, Computer Vision, Big Data + Databases

Results Achieved: Holding weekly labs that taught non CS major students python with a focus on data analytics, as well as office hours to help struggling students. Communicating technical ideas to non technical people is one of my strengths, and I love to bridge the gap between technical and non-technical people as much as possible

Skills

Creative: Film Photography, Creative writing (novel and script), Cooking

Education

The George Washington University

Bachelors of Science in Computer Science, Minor in Sustainability   **May 2020**

Masters in Computer Science w/ Concentration in Artificial Intelligence   **May 2021**

Undergrad GPA: 3.7, **Masters GPA:** 4.0