

Thomas Glezen

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EDUCATION

University of California, Berkeley
Bachelors in Computer Science

Berkeley, CA
Aug 2017 - May 2021

EXPERIENCE

Performance Star LLC
Software Engineer

Santa Clara, CA
June 2021 - Present

- Built an Explainable AI (XAI) system which employs machine learning techniques to generate human understandable explanations for how black box models arrive at their predictions.
- Read papers on Explainable AI to gain a better understanding of modern XAI techniques.
- Transcribed and implemented techniques from research papers as additional features for XAI.
- Developed method for exploring the variance in AI's prediction space to assist in providing artificially generated data to provide needed information for other XAI techniques.
- Propose, defend, and implement redesign improvements on the XAI system.
- Help new coworkers with the onboarding process by providing resources on how to find documentation for code, people for assistance, and directions to the snack room.
- Assisted coworkers onboarding my project by providing an overview for the project as well as providing introductory tasks so that they can become more familiar with the code base.
- Write numerous software to test functionality of Explainable AI techniques and the AI system.
- Created GUI application using PyQT in order to provide an interface for users to interact with.
- Worked with a UI designer to create an appealing interface for users to work with.
- Conduct interviews and judge if the interviewees are a good match for the XAI team.
- Wrote project's entire documentation using sphinx in order to generate pristine interactive API

Loak
Software Engineer Intern

Berkeley, CA
Aug 2020 - Dec 2020

- Coordinated with the business team to find areas of improvement such as UI/UX and inventory
- Increased efficiency of the onboarding process by redesigning the UIUX on the employee portal
- Streamlined inventory by connecting Firebase to Loak iOS app to display available products

LEADERSHIP

UC Berkeley EECS Department
CS61B (Data Structures) Tutor

Berkeley, CA
Aug 2018 - Dec 2019

- Instructed students on how to set up git repositories and employ numerous git functionalities.
- Guided 6-8 students in debugging 4 data structure oriented projects throughout each semester.
- Conducted weekly data structures lessons in trees, search algorithms and sorting algorithms.

SKILLS & INTERESTS

Languages: Python, R, Java | Python Libraries: numpy, pandas, sklearn, matplotlib, seaborn, sphinx

Tools: Git, Vim, Jupyter Notebook, PyCharm

Professional Interests: Backend Software Engineer, Data Scientist, Machine Learning Engineer