Blended Learning Student PBL Evaluation Report

Printed on: July 9th

Student Name: Yuchen Zhou

Summary

PBL Subject	PBL Track	Project Total Hours	Status
Deep Learning for Computer Vision - Microsoft Project	Image Synthesis	48	Completed

PBL Description

In this Deep Learning for Computer Vision - Microsoft Project, students are offered a comprehensive exploration of AI-driven image creation, delving into the intricacies of crafting realistic and innovative visual content. The curriculum focuses on advanced technologies such as Generative Adversarial Networks (GANs) and Diffusion Models, which are instrumental in generating high-quality images. Through hands-on projects and exercises, students will gain proficiency in manipulating these models to produce visually stunning results, refining their ability to create images that are both lifelike and imaginative.

This track in image synthesis is designed for individuals aspiring to pursue careers in creative technology, particularly in industry-leading companies like Adobe, Instagram, and Snapchat. Participants will not only develop experience in utilizing AI for image synthesis but also gain a deep understanding of the techniques and methodologies crucial for producing captivating visual content. By the end of the program, students will be equipped with a skill set that is highly valued in the dynamic field of digital media and creative technology.

Throughout the program, students will engage in a series of projects and challenges that will allow them to apply their knowledge in real-world scenarios. They will have the opportunity to work on industry-relevant projects, gaining valuable hands-on experience and building a portfolio of work that showcases their skills to potential employers. By the end of the program, students will not only have understood the technical aspects of image synthesis but will also have developed critical thinking, problem-solving, and collaboration skills essential for success in the field of creative technology.

Program Management
245 Main Street, Cambridge, MA, United States 02142
programs@touchedu.io

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Recommendation

To whom it may concern,

My name is Shashvat Shukla, and I am a PhD researcher at University College London, specializing in quantum computing. I previously studied Computer Science and Philosophy at the University of Oxford, where I was awarded Gibbs Prizes and College Scholarships for top performances in both subjects. Additionally, I have worked with The Quantum Insider as a Consulting Partner, producing market reports and providing insights on the quantum computing industry. My research interests are to find practical quantum advantages in problems beyond physical simulation, focusing on algorithms, applications, and architecture.

I worked as the Project Lead for Yuchen Zhou, specifically in Deep Learning for Computer Vision - Microsoft Project at Blended Learning. This project provides students with exposure to various tracks, including image synthesis and object detection. These tracks equip students with modern tools, knowledge, and experience necessary for conducting Computer Vision projects. Additionally, experienced students are encouraged to embark on a research project. The program's focus on different Computer Vision tracks is relevant to both academia and industry, providing valuable experiences for applying to graduate schools, internships, and industry positions in AI.

Throughout the program, I had the pleasure of interacting with Yuchen in various settings, including in-person seminars, discussions, and project-based learning sessions. He was an enthusiastic student who actively participated in classroom discussions and confidently delivered presentations. Yuchen held himself to a high standard and refined his project aims several times before settling on an idea. He demonstrated leadership qualities and competently led his group. His team’s final presentation focused on a text-to-video system for producing educational mathematics videos, although they had made limited progress due to settling on the idea late.

Moreover, Yuchen Zhou is an exceptionally active and communicative student who consistently demonstrates high levels of engagement and responsiveness. He excels as both a leader and a team player, showcasing a strong sense of responsibility and commitment to his tasks. Yuchen is not only diligent in his individual contributions but also highly mindful of the importance of teamwork, ensuring that his efforts align with the group's goals. His ability to effectively communicate and coordinate with his peers fosters a collaborative and productive environment.

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I believe that Yuchen will leverage the skills and experiences gained from the program to pursue his studies in exciting and fruitful ways. His desire to contribute to computer vision further demonstrates his passion and commitment. Yuchen has consistently shown a willingness to tackle challenging problems and collaborate effectively with his peers. I am confident that he will continue to excel in his future endeavors.

If you require any information regarding Yuchen Zhou's work in the program, please do not hesitate to contact me or the PBL team at programs@touchedu.io.

Thank you for your time and consideration.

Project Lead Signature:

DocuSigned by:
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Name: Shashvat Shukla
Title: Researcher at University College London
Date: 7/15/2024

Academic Team Signature:

DocuSigned by:
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Name: Cecilia Fan
Title: Academic Coordinator
Date: 7/15/2024