

# Kaloyan Penev

Software Engineer



## ABOUT ME

Problem-solver with an interest for machine learning and computer graphics. Professional experience using Unity for Bournemouth University on the VISTA AR project. Familiar with both Object Oriented and Entity-Component-System programming paradigms. Most recently finished development of my dissertation research project – Hand Posture Recognition in Real Time from RGB images using YOLOv4.

## EXPERTISE

- Convolutional Neural Networks
- Game Engine programming
- Unity
- Metaheuristics
- Graphics programming
- Pathfinding



+44 7500 652536



kdpenev@gmail.com



<https://penev.me>

## EXPERIENCE

### JUNIOR UNITY DEVELOPER

Bournemouth University • Feb 2020 – Jul 2020

- Development and profiling of AR apps
- Performance optimization for mobile devices
- Shader programming with HLSL and Shader Graph

### STUDENT AMBASSADOR

Bournemouth University • Sep 2018 – Present

- Active engagement in the Admissions division
- Garnered rich communication experience
- Improved presenting and public speaking skills

## EDUCATION

### BSc GAMES SOFTWARE ENGINEERING

Bournemouth University • Sept 2018 – Jun 2021  
Predicted First class Honours

- Graphics and Computational Programming – 83.03%
- Game Engine Programming – 79.00%
- AI Game Programming – 75.50%

## LANGUAGES

