Cem Alemdar

Software Developer, Game Designer

EXPERIENCE

Project Manager/ Software Engineer
Worcester Polytechnic Institute, Sept 2019 – Current

Creating an audio-visualizer game called Tune Mountain using Spotify's web API. I developed the website framework and integration between rendering, game physics, and player input. Worked on audio synchronization, procedural terrain generation, and dynamic shaders

Prototype Engineer
Worcester Polytechnic Institute, Jun 2019 – Current

Working on a medical device to better monitor a method called "Train of Four". It is a glove that monitors the twitching of the patient's thumb. I am working to make the device work on multiple axis of movement, collect more accurate data, and normalize the data collected

QA Intern
BaltiVirtual, Jun 2019 – Sept 2019

Worked to make sure our AR, VR products were in a good enough condition for everyday user activity. Worked closely with Jira, Trello, Unity, Three.js, and automated testing using Cypress. Debugged on devices such as OculusRift, MagicLeap, HTCVive, ValveIndex, and many different mobile devices.

Workshop Developer
Fundesteam, Aug 2018 – Oct 2018

Created Arduino based workshops that teach the basics of robotics and programming. These workshops were used to create a robotics curriculum for Panamanian public schools, and to encourage kids to learn more about technology and engineering

EDUCATION

Worcester Polytechnic Institute
2016 - 2020

Double Majored in:
- **Computer Science, BS.**
- **Interactive Media & Game Development, BS.**

Related Coursework
Software Engineering, Object Oriented Design, Human Computer Interaction, Web Dev, Game Design, Interactive Electronic Arts, Game Engines, Computer Graphics, Machine Learning

Programming Languages
C++, C#, Java, JavaScript, HTML, CSS, Python, Arduino, Node, GLSL, Racket, R

CONTACT

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SKILLS

Language	Level	Tool	Level
Turkish	**Native**	Github	**Comfortable**
English	**Fluent**	Unity	**Comfortable**
Spanish	**Intermediate**	Unreal Engine	**Intermediate**
Drums	**Semi-professional**	Photoshop	**Intermediate**
Ableton	**Intermediate**	MaxMSP	**Intermediate**