Akash Phadtare

Seeking **internship** for Summer 2019

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ACADEMIC PROJECTS

Hot Metal, Programmer, UI Designer

Jan 2019 - Ongoing | Pittsburgh, PA

• Project by CMU's Mechanical Engineering department to help students learn how to use a metal AM machine (often referred to as a 3D printing machine).

• The goal of the project is to develop a Desktop + VR system that simulates the operation of a metal AM machine and provides instructional support for learning how to use the machine. Following Agile methodology.

Building Virtual Worlds, Programmer, Designer

Aug 2018 – Dec 2018 | Pittsburgh, PA

• A project-based course where 6 different games, or AR/VR experiences are built in a span of one semester.

• Designed game mechanics, wrote programs and scripts for the games in Unity. Practiced rapid prototyping and iteration.

Multi-user web conferencing, Lead Engineer

Aug 2017 – May 2018 | Pune, India

• Used Google's WebRTC for this sponsored project for a finance company (FinanceConnect) that required a video conferencing module on their website

• Programmed in NodeJS, tracked progress, scheduled meetings, collected feedback, and performed tests

PERSONAL PROJECTS

90 Days of Overwatch, Designer, Programmer

Feb 2019 – Ongoing | Pittsburgh, PA

• Recreate all the 29 existing characters from Overwatch in 58 days using Unity3D to emulate the thought process that went behind their design

• For the remaining days, design 4 new characters which are balanced with new weapons and powers

The Cat Concerto, Designer, Programmer

Dec 2018 – Ongoing | Pittsburgh, PA

• Virtual Reality rhythm-based game where you pet cats to generate sound notes. (just like real life)

EDUCATION

Carnegie Mellon University
Entertainment Technology Center

May 2020 | Pittsburgh, PA

Master of Entertainment Technology (MET)

Pune University
Pimpri Chinchwad College

May 2018 | Pune, India

Bachelor of Engineering: Computer Science

RELEVANT COURSES

Game Design • Visual Storytelling • Improvisational Acting • Algorithms • Data Structures • Computer Graphics • Object Oriented Multicore Programming

PROFICIENT SKILLS

C/C++ • C# • Java • NodeJS • DBMS • Unity3D • Unreal • Eclipse • IntelliJ Idea • MS Excel • Trello • Perforce • Git • Slack • Agile Methodology • Rapid Prototyping

FAMILIAR SKILLS

Photoshop • Adobe Premiere • Adobe XD • Adobe Illustrator • Blender • Maya • OpenGL • WebGL • Processing • Python

AWARDS & SOCIAL

Graduate Student Representative, CMU
Paper Presented at ICCUBEA, India, 2017
Placement Volunteer, PCCOE, India
First Prize, Tech Hunt, PCCOE, India
First Prize, Digital India Week, PCCOE, India