

Amon Ferri

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Education

Dartmouth College | Hanover, NH

B.A.: June 2023

- Major: Computer Science, Minor: Digital Art, GPA: 3.97
- Honors: Phi Beta Kappa, Summa Cum Laude, Rufus Choate Scholar 2020 & 2023 reserved for top 5% of the class, 7 citations from faculty recognizing “unusual talent, dependability, initiative, or resourcefulness”
- Relevant Coursework: AR and VR Design, Computer Security and Privacy, Foundations of Digital Design, Software Design & Implementation, 3D Digital Modeling, Computer Animation, Algorithms, Foundations of Applied CS, Physical Computing, Full-Stack Web Development, Machine Learning & Statistical Analysis

Experience

Game Programmer | Mob Entertainment | St. Louis

Summer 2023—Present

- Used Unreal Engine 5, C++, and Blueprint Visual Scripting to develop games for PC, Playstation, Xbox, and Switch.
- Built core systems for “Poppy Playtime: Chapter 3” and led a multidisciplinary team to improve its user experience.
- Helped establish the studio’s console porting team and rebuilt “Poppy Playtime: Chapter 1” for consoles.
- Created and reviewed in-depth technical design documentation used across the entire studio.

Software Engineer, Intern | Meta | NYC

Summer 2022

- Worked with Facebook Reality Labs team focusing on augmented and virtual reality projects.
- Built an Android app to manage, integrate, and launch AR software.
- Followed scrum methodology, worked with various teams to incorporate their projects and feedback.
- Used Kotlin, Android Studio, and Buck, as well as Python and Javascript to create companion scripts and APIs.

AR/VR Lead, Dev Mentor, & Developer | DALI Lab | Dartmouth

Fall 2019—Spring 2023

- Oversaw the AR/VR design and development process at the lab, built curriculum and onboarding for VR team members, organized and provided mentorship, and sourced projects for the lab.
- Developed Anivision, a virtual reality app that lets users explore and compare their experiences to those of animals with extreme adaptations, like the tarsier’s night-vision or the honey bee’s ultraviolet sight.

Developer & Researcher | SILvr | Dartmouth

Winter 2021—Spring 2023

- Developed customization and behavior for virtual avatars.
- Researched the impact of synthetic and predictive movement of avatars on communication in VR.

Teaching Assistant | AR and VR Design and Development | Dartmouth

Winter 2021

- Hands-on project-based course that exposes students to the aesthetic, technical, and societal issues surrounding the emerging frontiers of digitally mediated realities.

Skills

- C, C#, C++, Lua, Kotlin, Java, Python, GLSL, HLSL, HTML/CSS, Javascript, React, Unreal Engine, Unity, LÖVE, Android Studio, GitHub, Perforce, Buck, Jira, Adobe Photoshop, Autodesk Maya, Substance Painter

Selected Projects

Full Portfolio: www.amon.us

ODDMOUNT Protocol | amon.us/portfolio/oddmount

- VR mech-piloting game where you defeat enemies by manipulating a tactile control system of levers and switches.
- Built from scratch in Unity. Modeled, rigged, and textured all models with Autodesk Maya and Substance Painter.

Probending VR | amon.us/portfolio/probending

- Networked multiplayer VR game inspired by a fictional sport, in which 2 teams lob fireballs at each other.
- Created using C#, Unity, and the Photon networking package. Built, rigged, and animated models in Autodesk Maya.

Supply and Demand | amon.us/portfolio/supplydemand

- Sci-fi tower defense game created for the 2019 Yogscast Game Jam on itch.io, 14th place out of 341 entries.
- Created the entire codebase using Lua and the LÖVE game engine, created all graphical assets.