

Areas of interest	Optimization, Platform Services, Tools, Gameplay
Technologies	Languages: C/C++, C#, Rust, Scheme/Lisp/Racket, Elm/Haskell Platforms: Xbox One, PS4, PS Vita, Android, Xbox 360, PS3, WiiU, Xbox
Experience	<p>7 Days To Die: Xbox One and PS4 port of open world, sandbox game implemented in Unity</p> <ul style="list-style-type: none">• Lead optimization efforts for the console port including reducing memory allocations, parallelization, and moving specific systems to a native plugin• Implemented partially automated performance testing system• Researched native reimplementations of specific systems to avoid costs of Mono/C runtime <p>The Elder Scrolls Online: Xbox One and PS4 port of the MMO set in Bethesda's Elder Scrolls universe</p> <ul style="list-style-type: none">• Helped architect and implement thread-safe bindings for platform services (PSN and Xbox LIVE) like login to game server, savedata, title storage etc.• Implementation of UI screens related to interactions with platform services <p>Borderlands 2: PS Vita port of Gearbox's co-op first person shooter</p> <ul style="list-style-type: none">• Implemented occlusion culling for the Vita platform• ARM SIMD extension (NEON) related optimizations• Misc. porting related bugs including gameplay, rendering, and physics <p>Unannounced Android title using Unreal Engine 3</p> <ul style="list-style-type: none">• Social media integration (Facebook and Twitter)• HTTP abstraction layer• Local/push notifications <p>D&D Chronicles of Mystara: Port of arcade classic to Xbox360, PS3, WiiU, and PC</p> <ul style="list-style-type: none">• Implemented "House Rules" system and worked on related online tasks• Gameplay and emulation• "Vault" pipeline• UI support
Education	<p>MS Interactive Entertainment (2012) University of Central Florida Florida Interactive Entertainment Academy (http://www.fiea.ucf.edu/) Orlando, FL, USA</p> <p>B.Tech Computer Science and Engineering (2011) Amrita Vishwa Vidyapeetham Amrita School of Engineering (http://www.amrita.edu/cbr) Coimbatore, Tamil Nadu, India</p>