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EducationCARNEGIE MELLON UNIVERSITY, ENTERTAINMENT TECHNOLOGY CENTER· PITTSBURGH, PAMaster of Entertainment TechnologyExpected Spring 2019
UNIVERSITY OF MINNESOTA, TWIN CITIESMINNEAPOLIS, MNBachelors of Science, Computer ScienceSpring 2017• Notable Courses:Spring 2017
Computer Graphics \cdot Programming Graphics and Games \cdot User Interface Design, Implementation, and Evaluation Algorithms and Data Structures \cdot Program Design and Development \cdot Advanced Programming Principles
Skills Programming Languages: C · C++ · C# · Java · JavaScript · Python · Assembly · LISP · OCaml Graphics Engines: Unity · Unreal Engine · Godot · GameMaker: Studio Graphics-Related Skills: Physical simulation · Motion planning · Raytracing pipeline development · OpenGL development Production Software: Rhinocerous · Photoshop CSS · Vegas Pro · Audacity · Open Broadcaster Software · Microsoft Office Source Control Software: Perforce · GitHub Languages: Spanish
Academic ProjectsBuilding Virtual Worlds, ProgrammerEntertainment Technology CenterSeptember 2017 - Present• Designing and implementing the software of interdisciplinary projects through rapid prototyping• Collaborating on a team of five to craft an entertainment experience within one to two weeks• Serving the group intelligence of a highly diverse and creative team by urging participation and working on the given ideas
 BPOC · Senior Software Project September 2016 - May 2017 Designed and planned a project using Scrum with a professional adviser and the support of Microsoft Implemented usability features with mobile technology such as GPS Contributed to databases and web development under the guidance of the more experienced team members
Personal Projects January 2017 EarthBeat Global Game Jam 2017 January 2017 • Developed an asymmetric multiplayer VR game for the Vive in 48 hours using Unity January 2017 • Quickly established a team pipeline and communication hierarchy for an eleven-person team Assisted with shaders and game logic programming and lead the heart rate monitor integration
UnWelcomeVideo Game Development ClubSpring 2016• Planned and developed a 2D agent-based strategy-action game with a large team of studentsIntegrated PRM-based follow-the-leader pathfinding for many agents that would perform quickly• Wrote in-game debug tooling and expanded on unfinished art assets using GIMP
Relevant Experience Liberal Arts Technologies & Innovation Services · Minneapolis, MN Student Tech Support September 2016 - August 2017 • Researched ways to support digital humanities projects in interactive mediums like Unity and Unreal Engines using virtual and augmented reality • Synthesized 3D research data and assets into a presentable form using Autodesk 3DS Max and Maya
Selected Extracurricular Activities Member and President, Video Game Development Club at the University of Minnesota Fall 2014 – May 2017

Contributed to club projects in programming in Unity and GameMaker: Studio and art using Inkscape and GIMP
 Managed club officers and membership, oversaw daily operations, supervised event planning, and maintained club relations