

Benjamin Trudell

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benjamin.trudell@mymail.champlain.edu

Education

Champlain College, Burlington, VT | Expected Completion May 2026

Bachelor of Science Degree in Game Programming

Minor in Game Sound Design

Cumulative GPA: 3.334

President's List (4.0+ GPA) Fall 2024 - Dean's List (3.5+ GPA) Fall 2023, Spring 2025

Technical Skills

Languages & Tools

- *General:* C, C++, C# (.NET), Visual Basic, Java/JavaScript, Microsoft Visual Studio 2022 & 2023, Visual Studio Code, HTML/HTML5, CSS3, Atlassian, Azure
- *Gaming:* Unity Engine (2D & 3D), Unity 6, Unreal Engine 5/Editor, CMake, GLSL/HLSL, Networking
- *Version Control:* Git, SVN

Project Experience

Socratic Smackdown | September 2025 - Present

Systems & Design Programmer & Repo Master

- Working alongside 8 team members to implement systems and tools to support designers in the ease of implementation and balancing
- Supporting team members in the introduction/assistance with version control necessary for the project
- Implemented a state machine to work for the characters being controlled by different players

Cthulhu & Me | January 2025 - April 2025

Systems & Tools Programmer & Repo Master

- Worked alongside 11 team members to implement systems and tools, and support with repo assistance
- Implemented a system to randomly select levels for an area based on a pool of levels
- Created a tool that allowed designers to pick which levels to be included in each pool, as well as which pool would be selected for each area
- Collaborated directly with designers to help implement enemy behaviours based on their concepts and ideas

Game AI Final Project | December 2024

Programmer

- Implemented an Anisotropic A* Pathfinding algorithm in a 2D space that replicates a miner mining for gold in the most optimal way
- Implemented variable weights for the terrain, utilizing a noise algorithm

Work Experience

George Washington Blvd. Condominium, Hull, MA

Summers of 2014-2022

CPO (Certified Pool Operator)

- Obtained certification in the operations for private pool maintenance

- Performed daily maintenance for a pool, ensuring cleanliness, safety, and up-to-date documentation

Jake's Seafood Restaurant and Seafood Market, Hull, MA*Busser, Waiter, Dishwasher*

June 2021 - August 2021

- Bussed tables, took orders from customers, and helped in the dishroom
- Communicated with other staff to make sure all tasks were being completed during service and closing

Hobbies

- MTG Club, Member
- Floor Hockey Club, Member
- Tabletop Wargaming Club, Member