

Will Bridges

Game Designer and Programmer
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WORK EXPERIENCE

Wayfair Inc., Boston, MA Jul. 2019 - Dec. 2019, Jul. 2020 - Dec. 2020

Data Center Engineering Co-op

- Wrote Python and Terraform code to automate server configuration processes
- Took initiative on challenging backlog tickets and collaborated with teammates in two-week Agile sprints to find resolutions
- Migrated hundreds of render farm servers from Google Cloud Platform to on-prem, saving company millions of dollars per year

PROJECTS

Custom C++ Game Engine - Lead Programmer and Designer Jan. 2020 - Apr. 2020

- Developed custom 2D game engine in C++ using SDL
- Implemented resource management, game object components, math and physics systems, and framerate caps
- Refactored engine to handle 3 distinct games and a GUI level editor
- Produced MoSCoW milestones to manage scope and guide team's progress

Habit of Force - Programmer Oct. 2020 - Jan. 2021

- Worked with Northeastern faculty to develop turn-based strategy game in Unity
- Implemented combat mechanics and helped onboard junior developers
- Prepared game for showcases at Boston Festival of Indie Games & Tokyo Indies

Single-Page Browser Game - Programmer and Designer Mar. 2021 - Apr. 2021

- Developed an incremental RPG with a React frontend and a Phoenix backend
- Incorporated Twitter API and asynchronous processes into our backend to allow for novel application features and gameplay mechanics

SKILLS

Languages: Java, Python, C#, C++, Javascript, Elixir/Erlang, HTML, CSS
Systems: Ubuntu, Debian, CentOS, macOS, Windows
Tools: Git, PlasticSCM, Unity, Terraform, Jenkins, Docker, Visual Studio, React, Phoenix, nginx, OpenGL, AWS, VirtualBox

EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA Aug. 2017 - present

Bachelor of Science in Computer Science & Game Development May 2021

Related Courses: Building Game Engines, Game Design Capstone, Computer Graphics, Object-Oriented Design, Algorithms and Data, Web Development, Math Fundamentals for Games

Honors: GPA: 3.4/4.0, Dean's List, Honors Scholarship

Northeastern Game Development Club, Executive Board Apr. 2019 - present

- Co-hosted and ran the 2020 Boston Global Game Jam site

INTERESTS

JRPGs, Twitch streams, The Beatles, sports, Japanese language/culture, Whataburger