Zackary Entwistle

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EDUCATION

Brown University — *Junior and Computer Science B.A. Candidate*
Sep 2019 - May 2023 | Providence, RI   GPA: 3.8/4.0

Ewha Womans University — *Korean Language Intensive Student*
Jul 2019 | Seoul, South Korea

PROGRAMMING EXPERIENCE

Brown RISD Game Developers — *Programmer and Sound Designer*
Sep 2019 - Present | Providence, RI and Remote

- Utilizes Unity, Git, and C# to program components of videogames.
- Collaborates in interdisciplinary teams of artists and programmers to design and develop videogames; contributed to 4 indie titles thus far (with the most recent available at brownrisdgames.itch.io/brgd-y2k).
- Defines the auditory character of the game as sound designer by composing background music and curating sound effects.

CSCI 0160: Data Structures and Algorithms — *Teaching Assistant*
May 2021 - Aug 2021 | Remote

- Helped teach ~200 students programming fundamentals in Python.
- Lead debugging and conceptual help sessions 2 hours each week to review students' Java code and resolve bugs in their implementation.
- Held two sections each week with ~10 students each to review lecture material and verify understanding of the 4 coding projects (in which students implemented PageRank, seam carving, ML decision trees, etc.)

WORK EXPERIENCE

Brown RISD Game Developers — *Executive Board Member*
Nov 2020 - Present | Providence, RI and Remote

- Works with a team of 6 officers to manage a club of ~40 members.
- Organizes club logistics, such as scheduling meetings, inviting guest speakers in the gamedev industry, and liaising with the Brown SAO.
- Created a constitution and registered the organization to be officially recognized by the University in order to access more funding.

A'ingae Language Documentation Project — *Research Assistant*
Oct 2019 - May 2020 | Providence, RI

- Assisted with typological research of A'ingae (an indigenous language isolate spoken in Ecuador) to create multipurpose language materials.
- Translated and copy edited texts in A'ingae, Spanish, and English.
- Managed data archives and linguistically analyzed the A'ingae lexicon.

Providence Public Library (RIFLI) — *ESOL Teacher*
Feb 2020 - Mar 2020 | Providence, RI

- Co-taught English classes twice a week to adult immigrants in the city.
- Created and implemented lesson plans tailored to beginners' goals.
- Attended workshops for teaching skills and social understanding.

TECHNOLOGIES

Languages
Python, Java, C#, C, SQL, JS

Software
Unity, Git, FLEx, ELAN, Reaper, MuseScore, LaTeX

Platforms
Linux, Windows

COURSEWORK

Computer Science
Videogame Development
Data Science
Computer Systems
Algorithms
Data Structures

Mathematics
Linear Algebra
Statistics and Probability
Calculus III
Ordinary Differential EQs

AWARDS

U.S. Department of State
NSLI-Y Scholarship

Worcester Telegram
Student Achiever

UMass Collegiate NAfME
Excellence in Composition

LANGUAGES

English (native)
Spanish (advanced)
Korean (intermediate)
Japanese (beginner)