

Rebecca Malcolm

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SKILLS

Languages C++ | Python | C# | Java | Scala | HTML
Knowledge Unity Engine | AWS | Jenkins | Apache Spark & Kafka | Windows/Linux
Git | Jira | Agile Development

EXPERIENCE

WB Games Boston, Needham, MA May 2019 - June 2020

Analytics Platform Co-op

- Developed ETL solutions for game & third-party analytics data using AWS & Apache Spark
- Built monitoring & automated testing tools for live game events data pipeline

Khoury College of Computer Sciences, Boston, MA Sep 2020 - Present

TA for CS3520: Programming in C++

- Guide student understanding of dynamic memory management, polymorphism, etc.
- Review student code using Valgrind & gcov to assist with grading & debugging

NU Game Development Club, Boston, MA June 2019 - Present

Social Chair

- Host Unity workshops on editor tools & C# scripting for simple platformers or RPGs
- Manage a Discord server for 300+ members & organize community game jams

PROJECTS

Course Project: Fish, Software Developer Sep 2020 - Dec 2020

- Designed & implemented game logic for a "Hey, That's My Fish!" video game in Python
- Expanded game logic to include strategic AI players, referees & tournament managers
- Demoed a Fish tournament by implementing server & client scripts using the TCP socket library & custom JSON message protocols

Happy Petals Flower Shop, Programmer Oct 2020

- Designed & implemented bouquet arrangement in Unity for a 2D flower shop game
- Integrated flower assets as buttons that populate prefabs to create bouquets

Sleepy Jeoff, Programmer, Technical Designer Jan 2019

- Collaborated with a team of artists & audio engineer to create a 2.5D click & drag game
- Created character scripts in C# for moving around the scene & turning after impact with various obstacles (walls, draggable furniture, other moving characters)

EDUCATION

Northeastern University, Boston, MA GPA: 3.3/4.0

Candidate for Bachelor of Arts in Computer Science Grad. 2021

Related Courses:

Building Game Engines Computer Graphics Networks & Distributed Systems

INTERESTS

Intermediate Japanese Jigsaw Puzzles Comic Books LGBTQA+ Group Facilitator