

Jennifer Ai

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Education

Northeastern University

Sep. 2016 - May 2020 (Expected)

B.S. IN COMPUTER SCIENCE AND GAME DEVELOPMENT

Coursework: Computer Graphics, Algorithms and Data, Game Programming, Programming in C++, Computer Systems
Object Oriented Design, Discrete Structures, Logic and Computation

Awards: AP International Diploma, AP Scholar with Distinction

Activities: Game Development Club, NU Women in Tech, NU Toyz

Skills

Languages: Go, Java, C, C++, C#, JSON, Python, PostgreSQL, Bash, Perl, GML, HTML, CSS, Racket

Engines & API: Unity, GameMaker Studio, OpenGL, WebGL

Tools: Git, SourceTree, SDL2, Vagrant, Docker, DBeaver, Postman, Splunk, Datadog, GDB, JUnit, Valgrind

Systems: Windows XP/Vista/7/8/10, Ubuntu Linux, Mac OS X

Experience

Northeastern University - College of Arts, Media, and Design

Feb. 2018 - Present

USABILITY LAB ASSISTANT

- Monitored playtesting sessions led by capstone students and contributed in the research for remote learning via AR technology
- Installed VR and AR equipment for live demonstrations and for students to conduct game, journalistic, and architectural research
- Troubleshooted and documented technical issues for the Oculus Rift, HTC Vive, and Microsoft Hololens

Warner Bros. Games Boston

July 2018 - Dec. 2018

MOBILE PLATFORM SERVER ENGINEER CO-OP

- Worked on *Game of Thrones: Conquest*, a mobile MMO strategy game where players rise in power in order to claim the Iron Throne
- Developed a new service based on legacy services in the production environment for players to sync up stats during login
- Implemented gameplay features based upon design or analytics specifications on a Kanban team of 8 using GoLang and C#
- Updated the database to create stats using PostgreSQL and fixed live issues with the client and QA team

Northeastern University - Khoury College of Computer and Information Science

Sep. 2017 - June 2018

TEACHING ASSISTANT FOR FUNDAMENTALS OF COMPUTER SCIENCE

- Held open office hours for 300 students to seek assistance for 2 hours every week on relevant coursework
- Aided weekly labs with teaching assistants and tutored for 30 students to review course material
- Provided constructive feedback for 20 students' assignments and exams

Projects

Hero's Arena

Jan. 2018 - April 2018

UNITY, C#, GIT

- Select 3 heroes to join your team and defeat the opponent's captain with your team's unique set of skills
- PvP turn-based tactical combat game where players must utilize strategy and positioning to take out the opposing captain
- Implemented battle map, hero selection menu, and graphical user interface on a team of 4

Safeguard

Jan. 2018 - April 2018

UNITY, C#, GIT

- Humanity lives on the back of a turtle who is slowly dying due to pollution and it is up to your team to protect the environment
- Turn-based strategy game with an environmentalism theme featuring resource gathering, building, and depolluting mechanics
- Developed gameplay and graphical user interface on a Scrum team of 5

Good Choice

Oct. 2017 - Dec. 2017

C++, SDL2, GIT, VALGRIND

- Choose the appropriate bullet to reveal hidden platforms and take down the threatening monsters to escape
- 2D platformer with flying, shooting, and melee enemies along with specialized bullets and invisible platforms
- Executed mechanics and graphical user interface and unit tested the written code on a team of 5