

Rui (Richard) Geng
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A game developer with a great passion for uniting players from all around the world into a universe of surprises and challenges.

Qualifications:

- Knowledgeable with mobile (IOS + Android), PC, WebGL (itch.io), and Console game builds
- Exceptional skills at developing Client-Server communications for Multiplayer features, and SMTP Email (i.e. sending to a gmail from in-game)
- Custom AI behaviour development
- Terrain Generation using Perlin Noise
- Excellent ability at deriving and coding mathematical and physical structures to a realistic (or otherwise) game universe
- Ability to plan and execute tasks efficiently
- Great degree of flexibility, fast learner and adaptation to changes
- Creative thinking and visualization on logics
- Detail-oriented and deadline enforcing
- 6+ years of programming experience

Technical Skills:

- Program Languages: C#, C++, Python, Swift, and Java
- Engines and Graphics: Unity Engine, Unreal Engine 4, OpenGL, Ogre 3D, DirectX, SDL(C++) and STL
- Source Controls: GitHub (GitHub desktop, GitKraken), Perforce
- Networking: System.Net
- File Creations: System.IO (streamreader/writer) for .txt, .csv, etc
- In-Game Ads/Revenue Source: Unity Ads
- Others: Visual Studio 2019-2022, PyCharm

Additional Information:

- Language Knowledge: English, Spanish, Mandarin

Work Experience:

- Outreach Instructor/Assistance: University of Toronto, Dept of Mathematics (2018 - 2020)
 - Formulating and organizing flexible curriculums (abstract math) for students of different ages, learning styles and abilities
 - Highly effective communication and content delivery skills
 - Student feedback with a rating of 10/10

- Private Tutor (2014 - 2018, 2020)
 - Flexibly altering the delivery method and teaching styles in accordance to local government curriculums (i.e. Ontario Curriculum for Math)
 - Helped struggling high school students become excellent (improvements from F/D up to an A-)
- Waiter/Bartender: 7 West Cafe (2019)
 - Efficient organization skills for the best customer dining experience
 - Great communication skills for a warm kitchen and management personnel relationship
 - Respectful of rules and guidelines, as well as everyone within the premises of the workspace

Education:

- George Brown College - Game Programming (T163)
 - Graduated with Honours + Dean's List (2020 - 2022)
 - Excellence in Math, Physics and Engine Development (using engines listed above)
 - Successful replication of old-school arcade games (QBert, bullet-hunt style games, etc)
- University of Toronto - Mathematics (paused)
 - Analysis and proofs of theoretical mathematical concepts
 - Clubs: Math Union, Physics Union, Astronomy Union
- ID Tech X Columbia University - (CEC) Continuing Education Credits in Java Programming and 3D Modeling (2014)
 - Programmed custom Minecraft mod packs
 - 3D Modeling using Autodesk Maya
- Colegio Internacional de Carabobo - High School (2016)
 - Class Salutatorian
 - Student Government (President), National Honours Society (Treasurer)
 - Advanced Placement Scholar with Honours
 - Varsity Basketball MVP
 - Service Award (top community service contributor)