Ryan Miller

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Objective: Terrifically technological mathematics/computer science graduate seeking junior level software engineering position.

WORK EXPERIENCE

Freelance Tutoring   New Orleans, LA
Tutor   Feb 2016 – Present
- Tutoring all levels of college math, freshman to junior level computer science, and freshman level physics.

Yotta Technologies, LLC   New Orleans, LA
Software Developer   Feb 2015 – Feb 2016
- Engineered virtual reality (VR) applications with a team of three other developers.
- Operated as a designer and developer of a Windows application built in Python which parsed large engineering data files (up to 7GB) into 3D visualizations for use in VR.
- Created a voxel engine from scratch for the 3D visualizations.
- Constructed a library in C# to handle tables of data mirroring Python's pandas data analysis package.
- Served as sole problem solver in any high-level math problems that arose during development.
- Employed mathematical education for both 2D and 3D coordinate geometry.
- Utilized Git for version control during development.
- Addressed weekly updates to applications based on customer feedback.
- Learned Unix/Linux command line and worked in Linux Ubuntu for some projects.
- Exposed to C# and Mono as used by Unity Engine for coding visual components into VR applications, using C++ for the Arduino microcontroller, and Windows command and PowerShell scripting.

EDUCATION AND ADDITIONAL SKILLS/INFORMATION

- Graduated 2015 Cum Laude from Loyola University New Orleans
    - B.S. in Mathematics, minor in Computer Science, 3.5 GPA
- Languages: C++, Java, Python, HTML5, CSS3, JavaScript, SQL, Ruby
- Frameworks/Other Technologies: Git, jQuery, JSON, NumPy, SciPy, MS Office
- Exposure/Minor Experience: PHP, C#.NET, REST APIs, MVC, Angular, React, Ruby on Rails, HAML, LESS, Sass, AJAX, XML, Android Studio, Xcode, Gradle
- Strong writing and reading comprehension skills, especially with scientific/technical writing
- Excellent ability to adapt to and creatively think in any type of work environment
- Quick learner and effective teacher, especially with new software and technologies
- Demonstrated ability to take constructive criticism in a positive manner
- **Two publications (one fully published, one pending) – information available upon request**
- **References available upon request**