Zachariah Gary Howell

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Portfolio at **http://zachhowell.us/projects.html**

Education

Drexel University, Philadelphia, PA
Bachelor of Science in Computer Science   Anticipated Graduation - June 2016
Concentration in Game Programming and Development   Cumulative GPA: **3.6**

Game Projects

Programmer   Drexel University, Philadelphia, PA
Alchemia   May 2014 to Present
- Releasing match-3 game to Android
- Created flexible code base in order to iterate on gameplay based on weekly user feedback
- Continually polished and tweaked gameplay, difficulty curves, and effects

Lead Programmer   Drexel University, Philadelphia, PA
Global Game Jam 2014   February, 2014
- Created a game in an intense, sleep-deprived 48 hour period
- Created a rotating world that spawned hundreds of objects and mixed 2D and 3D art styles

Lead Programmer   Drexel University, Philadelphia, PA
Mark of Mephisto   June 2013 to December,2013
- Designed systems for a 3D physics based runner (with grappling hooks) in Unity
- Managed 3 programmers to coordinate schedules and merge code bases

Computer Skills

Languages: C#, C++, Javascript, Java, SQL, HTML
Programs: Unity; Microsoft Visual Studio; SVN; Adobe Illustrator, Photoshop

Work Experience

Sixty Vocab   Philadelphia, PA
Web Developer   April to September, 2014
- Solo programmer at a start-up making a foreign language learning app
- Migrated PhoneGap application from mobile to web and data from SQL to MongoDB
- Brainstormed and critiqued marketing pages and investor pitches
- Created maintenance tools for a database of 2,000+ words in 5 languages

Electronic Commission for Foreign Medical Graduates   Philadelphia, PA
Application Developer   April to September, 2013
- Worked in a SCRUM team with Dev, Test, and Prod environments
- Wrote SQL queries, WCF functionality, and VB code to display and edit a database

Relevant Coursework

Data Structures and Algorithms   Object Oriented Design
Math Foundations in Computer Science   Linear Algebra I II, Physics I, II, III
Systems Programming   Game Development Workshop

Activities

Drexel Game Developer's Group, Treasuer   November 2012 to Present
Drexel Magic the Gathering Club, President   November 2012 to Present
International Game Developers Association, Member   April 2012 to Present

Honors and Awards

National Merit Finalist Scholarship, Drexel University,   Fall 2011 to Present