Matthew Cech Software Engineer

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(425) 615-8186

Languages	Tools	Skills
C++ (experienced)	Visual Studio	Gameplay Programming
C (experienced)	Amazon Web Services	Network Programming
C# (experienced)	Git	Component-based Design
JavaScript (capable)	Phabricator	Tools Programming
Java (capable)	Vegas Movie Studio	Group Mediation
Zilch (C# Like, capable)	Photoshop	Caffeine Consumption

Project Experience

Bittorio (Competitive Puzzle Game, DigiPen) 9/2016 – 9/2017
UI, Tools and Network Programmer
- Designed and implemented custom multiplayer server layout using NGINX and JavaScript with Unity
- Created Menu and Input systems after adjusting to gameplay design changes
- Presented and Marketed product at PAX, TwitchPDX in Portland, and other events

A Side Scrolling Bonanza (2D Infinite Runner) 12/2016 – 12/2016
Gameplay and Systems Programmer
- Defined Event, Audio, Menu, and World Generation systems for a two-person game project
- Implemented world generation, menu, audio, and event systems in less than 72 hours

Grizzly Beats (2.5D arena brawler, DigiPen) 9/2015 – 4/2016
Systems and Audio Programmer
- Programed core system architecture using a component-based engine design
- Architected a flexible and accessible custom engine with consistent syntax
- Designed and Implemented audio system with visualization and data analysis in mind

Previous Employment

DigiPen ProjectFUN Summer Classes 5/2017 – 8/2017
Lead Teacher and Curriculum Development
- Developed and taught JavaScript-based curriculum for 2-week sessions for students in 3rd - 7th grade
- Worked to manage 20+ students and TAs in a classroom environment for full-day sessions

Cogwheel Clinic 12/2015 – 6/2016
Curriculum Development and IT
- Created educational sessions that used games in a psychiatric field to assist in teaching social skills

Fry's Electronics 5/2015 – 8/2015
Electronics Sales Associate
- Acquired customer service and customer interaction experience
- Gained computer troubleshooting experience and extensive component knowledge

Education

DigiPen Institute of Technology 9/2014 – 9/2018 (Expected)
Bachelors of Science in Computer Science
Computer Science degree with additional focus on multipurpose tools and networking
- US FIRST Scholarship recipient