

Matthew Cech Software Engineer

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(425) 615-8186

Languages

C++ (experienced)

C (experienced)

C# (experienced)

JavaScript (capable)

Java (capable)

Zilch (C# Like, capable)

Tools

Visual Studio

Amazon Web Services

Git

Phabricator

Vegas Movie Studio

Photoshop

Skills

Gameplay Programming

Network Programming

Component-based Design

Tools Programming

Group Mediation

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

- Programmed 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