

James Knight

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Experience

Founder - Emberi, Co.

November 2012 - Present

- Work directly with clients to determine project requirements, negotiate contracts, and provide post-deployment support
- Designed and built a proof-of-concept for a browser-based visual programming language, and implemented its interpreter and runtime in JavaScript
- Implemented a cross-platform Continuous Integration system for a client's mobile applications
- Ported a startup's existing iOS application to Android

Software Engineer - Romotive

October 2011 - November 2012

- First employee at Romotive, with experience growing a software team to five engineers
- Designed and presented a proposal for a public API that allows developers to write web and mobile applications which interface with Romotive's platform
- Implemented an H.264 Audio/Video streaming library for iOS, capable of transmitting the highest level of H.264 encoding available at 24 fps across local networks
- Architected and built a cross-platform, native networking library for controlling Romotive's robotics platform for both iOS and Android
- Contributed directly to company strategy by presenting both technical and business solutions at weekly all-hands meetings

Junior Programmer - 2XL Games

February 2010 - October 2011

- Designed and implemented Facebook and Twitter integration for the top-selling iOS game Ricky Carmichael's Motocross Matchup Pro
- Worked with external business partners to build marketing materials for upcoming games
- Built UI elements and screens for several mobile and console games

Owner - Input/Output Productions

2009 - 2011

- Discovered, negotiated, and completed contracts while simultaneously attending university
- Designed and developed websites for local businesses and startups

Skills

Languages

C++, Objective-C (*advanced*), C, Java, JavaScript (*proficient*), Python (*prior experience*)

Education

Arizona State University

Graduated Summer 2012

B.A. in Mathematics with Psychology Minor
Member of Barrett Honors College

Awards

1st Place, Silverlight Challenge - 2011 Avnet Tech Games
President's Scholar - Arizona State University