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D A N   T S U I
W W W . D A N - T S U I . C O M

SKILLS + QUALIFICATIONS

Back-End Skills	Front-End Skills			Other
• Ruby	• Javascript	• Underscore.js	• D3.js	• C#
• Ruby on Rails	• jQuery	• Bootstrap	• Hammer.js	• C
• Python	• Backbone.js	• Html5	• Regex	• Unity3D
• SQL	• Backbone-relational.js	• CSS3		• Photoshop
		• SVG		
		• Html5 Canvas		

PROJECT

OPEN RIDE   **Ruby on Rails, Backbone**   http://open-ride.herokuapp.com | https://github.com/dmtsui/CyclingApp

• An open-source cycling application that takes in GPS data or directly records GPS data from a mobile device and graphs/analyzes the recorded data

ASTEROIDS   **Javascript**   http://www.dan-tsui.com/asteroids/asteroids.html | https://github.com/dmtsui/Asteroids

• An Asteroids clone utilizing Html5 canvas and Javascript

CODE CHECK   **Python**   https://github.com/dmtsui/CodeCheck

• An open-source database of the California building code in SQLite3 format complied by scraping building code webpages using Python

VIRTUAL TOUR   **Unity Game Engine, Javascript**   http://www.dan-tsui.com/unity3d/unity.html

• An immersive 3D environment that converts 3D models produced in Revit into virtual tours with Unity 3D for both web and mobile formats

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EDUCATION

University of California, Berkeley   Berkeley, California
Bachelor of Arts, Architecture   Graduated May 2006

EMPLOYMENT HISTORY

May 2011 to July 2012   **Modulus Consulting** – BIM Consulting   **San Francisco, California**
Position: BIM Consultant/Developer
• Led and developed mobile BIM solutions for on-site use utilizing iPads and the Unity game engine
• Developed custom macros and plug-ins for clients using Revit API and C#
• Created a file format converter for laser-scanned data using C
• Developed 3D presentational walkthroughs with Revit and Navisworks model for construction firms
• Developed a 360 panoramic presentational navigation application for client with Html5, CSS3, and Javascript

April 2009 to April 2011   **Transystems** – Military and Infrastructure   **Oakland, California**
Position: BIM Manager/Designer
• Served as BIM manager on seven design/build LEED projects with size ranging from $12 million to $130 million; excellence in product delivery improved relations with one of the largest contractors in the nation
• Introduced BIM to the office and established standards for BIM delivery by leading office-wide seminars
• Managed BIM models and coordinated with engineers and contractors on modeling specifications

April 2007 to March 2009   **California Design West** – Educational K-12   **Sacramento, California**
Position: Revit (BIM) Manager/Designer
• Pioneered Revit and Sketch-Up into the firm's workflow
• Advised and assisted structural consultants with Revit through integration and model building

May 2006 to April 2007   **Rainforth Grau Architects** – Educational K-12   **Sacramento, California**
Position: Architectural Designer
• Introduced Revit in the Elk Grove studio of the firm

HOBBIES

• Triathlete with SF Tri Club