Joel Brewster

Front-end developer, study robot, teacher.

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CURRENT PROJECTS

Zero-player

This app is an interface that creates random melodies and chords from cellular automation patterns. A user can interact with the app via a monome (OSC device), computer keyboard or with just the mouse. When the user alters the grid, certain different melodies or chords will be generated and played back. It is available online and to download as an app for Mac. This project was made with JavaScript, jQuery with NexusUI and Tone.js.

Online: http://joelbrewster.com/zero-player

Download: http://tinyurl.com/zero-player

Plain Text Notes

This is a plain text notes app. New users can sign up, or existing users can log in or out. Authorized users can write new notes, edit and delete them. Each note when saved date stamps the time and date. When there are no notes, an inspirational quote is displayed on the page to the user. This project used HAML, Ruby on Rails and JSON with jQuery for API calls.

Online: https://plaintextnotes.herokuapp.com/

Demo user: demo@user.com Password: hunter2

Red vs Blue

A complimentary color spin and resize on the classic Tic Tac Toe game that 2 players can play on the same screen or mobile device. The player who succeeds in placing 4 of their color (red or blue) in a horizontal, vertical, or diagonal row wins the game. This game was created with JavaScript, jQuery and CSS.

Online: http://joelbrewster.com/redvsblue

ABOUT

33 year old dad and husband. I have been a Music and English teacher for around 8 years, and now want the opportunity to be in a junior role where I can grow and develop my skills as a front end developer.

I love to study, learn and code every day.

I really enjoy building things with JavaScript, Ruby, Rails, jQuery, HTML5 and CSS3 at the moment.

SKILLS

HTML, CSS, JavaScript, Ruby, Rails, Haml, Git, Github, jQuery, Express.js, Sinatra, Node.js, PostgreSQL, MongoDB, AJAX, Java, Vim, Linux, Mac OS.

EDUCATION

Seoul University - Korean Language Course
2010 - 2011

Griffith, Conservatorium of Music - Sound Technology ($\frac{2}{3}$ complete)
2006-2007

Central Queensland Conservatorium of Music - B.A of Contemporary Music
2003-2005

LANGUAGES

English

Korean

EMPLOYMENT AND EDUCATION EXPERIENCES

Web Development Immersive student at General Assembly
Apr 2016 - Jul 2016 | Melbourne, Victoria, Australia

I've always liked making things, especially with computers. After a few years of spending all my available free time studying and trying to learn by myself, I decided to relocate back to Australia and try to change careers and work in an industry I'm really passionate about. I've loved the pace of GA and can't wait to create new and interesting things with like minded people.

School Owner, Instructor at 영어집
Jan 2014 - Feb 2016 | Jeju-si, Jeju-do, South Korea

My wife and I opened a small language school to take on students that expressed an interest in private lessons with her or myself. My wife mostly took care of dealing with parents and teaching younger students while I focused on primary/middle school students and developing materials and a curriculum to follow. I really enjoyed finding ways to engage students, from things like word puzzle games, flashcard games, worksheet games and programming iPad games like "Hangman", "guess the number" and "find the missing let 4ters" style games.

Owner, Waiter Part Time at Winnie's Brunch Café
Mar 2012 - Aug 2013 | Jeju-si, Jeju-do, South Korea

My wife has always had a dream to open a brunch cafe. I managed online presence and getting local people aware of the cafe by being part of local groups with things like sponsorships, Facebook groups and local cafe blogs. I was working at a language school and working at the cafe mornings and night plus weekends to help with serving and marketing. I learnt the customer isn't always right – but still, they are always the customer.

English Instructor at 영어 마루
Mar 2012 - Mar 2013 | Jeju, Jeju-do, South Korea

I taught primary, middle and younger high school students. I mostly developed testing materials for older students, craft and sport activities for the primary school students and worked with middle age students to find suitable and engaging books for each of the classes. I learnt when teachers regularly check for understanding in the classroom, students become increasingly aware of monitoring their own understanding and skills. This can serve as a model of good study skills that students can use by themselves and not require stimulus or other motivations.

Language Instructor at International Language School Jeju
Feb 2011 - Feb 2012 | Jeju-si, Jeju-do, South Korea

I taught primary/ middle school age children and an amazing class of 4 boys who were 7 years old. I mostly worked out of company specific materials and made things as fun as possible. I tried to create more engaging ways to make reading and writing fun. I used a lot of music to get students interested in foreign cultures and language. I learnt how to model for students what they are expected to do or produce, especially for new skills or activities by sharing my thought processes aloud and showing what was required by presenting work samples.

Student at Sogang University
2010 - 2011 | Seoul, South Korea

After living and working in Korea for so long, I felt it was important to speak Korean well so I enrolled in Sogang University. At Sogang University, we mostly studied every day Korean and conversational language with Korean honorific terms.

English Instructor at Learn To Give Project

Feb 2009 - Jul 2009 | Nakhon Ratchasima Thailand

I travelled to Thailand with my partner to teach in rural Ubon Ratchathani (Nakhon Ratchasima area) for around 6 months. We stayed with a host family and spent our free time at the school or with families in the area. Our goal was to expose locals to foreigners and to relax when studying. We made all study activities hands on with games, craft or art type tasks. It was an incredibly rewarding experience. I learnt how to interact with people of different cultures, not having a common language to communicate with and differences in work cultures.

Language Instructor at Sogang University Language Program

Feb 2008 - Feb 2009 | Seoul, South Korea

After working at an international college I met so many lovely people that sparked my interest in travel. In Seoul, I was part of a group that taught ESL to primary and middle grade students. I learnt to use visuals, sketches, gestures, intonation, and other nonverbal cues to make both language and content accessible to others. I learnt to be patient, listen and to try to embrace differences. I learnt a lot about myself by being alone in a different country and trying to lead by example.

Instructor at Pacific Gateway International College

Jan 2007 - Jan 2008 | Brisbane, Queensland, Australia

I was in charge of creating activities for international students, creating materials and topics for group discussions. I supervised tests and reviewed test materials. I was part of a travel group that helped international students go on trips and meet local people on weekends. I learnt a lot about different cultures but mostly it spurred a wanderlust to break away from what I had and to travel and see more of the world.

Music Instructor at Forte School Of Music

Nov 2006 - Sep 2007 | Brisbane, Queensland, Australia

I was in charge of developing children's scale theory/ warm up and review content, developing interest in not so popular music trends with adolescent students and working on various techniques with higher level guitarists. I was exposed to a lot of music that I wouldn't normally listen to or even try to learn. I learnt how to make guitar, jamming, performing and composition less of an enigma and something anyone can enjoy and really grow with.

Student at Griffith Conservatorium of Music

2006 - 2007 | Brisbane, Queensland, Australia

Towards the end of my music degree I started incorporating my love of computers. I really enjoyed recording performances, altering the performances and creating new compositions using just my computer. As time went on I played less guitar and became really interested in composing with computers and using it as an instrument. In this course I learnt a massive amount about sound engineering, sound design and that got me interested in scripting computers.

Student at Central Queensland Conservatorium of Music

2003 - 2005 | Mackay, Queensland, Australia

As a result of my HSC I gained entry into CQCM. I got into the conservatorium just after high school and got to study, listen and play music every day with other like minded people. I really loved studying music, joining groups, performing and watching others perform too. Music is such a universal thing and it fills me with joy to get together and make music with other musicians.