

Derek Nelson

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I want to write clean, maintainable code and have a good time doing it.

In my free time, I like to make strategy games in Javascript and port Board games to the internet. I also love hackathons and have two Top 3 finishes and a 1st place (2018) at Startup Weekend events. I also worked on a Tower Defense game that got 5th at the University of Michigan Global Game Jam (2018).

Technologies

Java, JavaScript, PHP, Spring, ExpressJS, PhaserJS, Angular 1.x, Lucene, Maven, Gradle, Webpack, Gulp/Grunt

Employment History

Learning A-Z – Cambium Learning Group – Software Engineer 3 May 2013 - October 2018

Lead developer of a placement test for the Headsprout project which determined new students starting level and runs on the web, iOS, and Android. Developed a new user management system for Kurzweil 3000 administrators, used by thousands of schools.

Tech: HTML, CSS, Javascript, Java, Ant, PHP, Angular 1.x, MySQL

Supply Chain Management – England Logistics – Software Engineer 3 2012 - 2013

Worked primarily on the audit and pay system. Wrote front-end interfaces in Google Web Toolkit and later in Angular. Used python script to automate importing bills into the legacy system. Maintained indexes for Lucene and CouchDb.

Tech: HTML, CSS, Javascript, Java, Angular 1.x, CouchDb, Lucene, Spring 3.x, Maven

Admissions Department – Ferris State University – Web Developer 2010-2012

Wrote the admissions application for non-traditional students. Created an interactive map for students to find the Admissions officer for their region. For the Mobile site, I used Google Maps API to give students directions to the admissions building from anywhere on campus.

Tech: Html, CSS, Javascript, ColdFusion, BackboneJS, jQuery, Microsoft SQL Server

Jung Choi (Professor) – Ferris State University – Teacher's Assistant 2011-2012

College of Business – Ferris State University – Web Developer 2009-2010

Maintained the College of Business website. Created new pages for events and programs using ColdFusion, Microsoft SQL Server, and JavaScript.

Tech: Html, CSS, Javascript, ColdFusion, BackboneJS, jQuery, Microsoft SQL Server

Computer Technology Services – Ferris State University – Support Technician 2008-2009

Mac and administrative support technician. Added and removed software. Troubleshooting hardware and software problems.

Animal Care Facility – Ferris State University – Volunteer Web Developer 2007-2008

Created a web application in PHP and MySQL to keep track of animals for a Pharmacy lab.

Tech: Html, CSS, PHP, MySql

Education

Ferris State University 2006-2011