

Jesse T Lee

 @mienaikoe

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 Mienai Koe

 mienaikoe@gmail.com

 646-288-9960

Skills

Very Familiar

JavaScript/JQuery

Ruby/Rails

Java

MySQL & Oracle Databases

HTML/CSS

Web Audio API

Moderately Familiar

AngularJS

BackboneJS

Android

Redis

Apache Server

Three.js

PHP

PostgreSQL

C++

Python

Experience

Bloomberg LP

Web Developer

2010 - Present

New York, NY

- Replaced and maintained critical services for Bloomberg's legal research web application.
- Coordinated work amongst small team of developers
- Picked up Ruby/Rails, and Java/Spring on the job.
- Learned C++ and computer science concepts during 15-week intensive introductory course.

Goodrich, Inc.

Engineering Intern

2008 - 2010

Brecksville, OH

- Machined carbon composite parts for thermal and electrical testing
- Measured micro-hardness of carbon composite materials using an atomic force microscope

Education

Case Western Reserve University

Mechanical Engineering Undergrad
2006 - 2010
Cleveland, OH

- Co-led a team of student engineers in a farm irrigation project and a solar furnace project.
- Was involved with several university musical groups, and composed electronic music in spare time.

Dublin Scioto High School

Student
2002-2006
Dublin, OH

- Was a member of Marching Band, Jazz Band, and Theatre Orchestra
- Worked with Cisco routers and switches in an independent learning class

Projects

ReMap

Developer

November 2014 - Present

<http://challengepost.com/software/remap-jwsua>

- Worked with a small team of designers and developers to create a new interactive NYC subway map.
- Parsed and manually rendered an SVG map with gestures for panning and zooming.
- Learned online about the Android environment, Bluetooth Technology, and 2d Graphics.

Cosmos

Developer

Hack The Universe 2014

<http://hacktheuniverse.github.io/cosmos>

- Wrote a Ruby parsing script for position and magnitude data of 100,000+ stars.
- Used WebGL shaders to render a realistic look and behavior of flying through hundred and thousands of stars.

Nodea Studio

Creator & Developer

2013 - Present

<http://mienaikoe.github.io/nodea>

- Used Web Audio API and JavaScript with jQuery to make a computer-keyboard-based sound controller.
- Combined sound controller with pure JavaScript layer to make a functional digital audio workstation for the web.

Karen Gioia Photography

Sole Developer

2013

<http://www.karengioia.com>

- Worked with photographer's design specs to deliver a photography portfolio site with an album management system in PHP