**Nick Sanford** |Software Engineer

**e-mail:** [**nicholascsanford@gmail.com**](mailto:nicholascsanford@gmail.com) **phone: 512-545-1122**

**github:** [**github.com/nicksanford**](https://github.com/nicksanford)

**Summary:**

I enjoy building modular, service-oriented, back-end software solutions for the web.

**Work Experience**

* Summer 2014 - Winter 2014, **Lead Software Engineer, BEAM**
  + Lead developer for BEAM, an American run, Chinese facing non-profit based in Beijing that brings Chinese donors and teachers together to fund educational projects in rural China.
  + Built the first stage of a MVP written in Rails that will automated their teacher project application process and donor donation process.
  + Designed database schema, wrote tests in Rspec, deployed the app using Nginx + Thin, wrote front-end JS for improved user experience, implemented business logic, and planned project milestones.
* Fall 2013 - Summer 2014, **Software Developer, Thre3d.com**
  + Built data aggregators, web services, and other internal tools for Thre3d’s social media/community outreach campaign targeting users on both Reddit and Twitter. Resulted in Thre3d’s Twitter followers increasing 700% over a five month period. Projects were implemented in a mixture of Python and Ruby.
  + Built data visualization tools in Ruby and Javascript to identify erroneous data in Thre3d’s legacy database. Allows users to access Thre3d's comprehensive database on 3D printing technology through interactive data visualizations.
  + Researched and helped implement Thre3d’s eCommerce platform. The platform consists of Paypal, Foxycart, Orderdesk, and Shipstation.

**Education**

* B.A. Asian Studies Chinese Language Honors, University of Texas at Austin, 2014. GPA 3.8
  + 2012-2013, Year-long honors thesis research project on Wang Xiaobo, a Chinese nonconformist author. Project used Mandarin literary and academic resources.
  + 2010 - 2011, Year-long Study at CET Beijing Intensive Chinese Language Program

**Personal / Side Projects**

* Currently building an app that notifies the user via email or text when an Uber ride reaches certain minimum price. **( Node.js / Mongodb / Docker )**
* Built a micro-delivery mobile app for Beijing called “Bring Me”. Implemented the back-end and collaborated with two partners on the front-end. **( Phonegap / jQuery Mobile / Sinatra )**
* Built a webapp that takes a string, and encodes it into a 3D printable QR code STL file for the user to download. Hosted at: [getmystl.com](http://getmystl.com/). **( Python / Flask / Numpy / Scipy )**

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| **Foreign Languages**   * Chinese - Fluent * German - Working | **Skills / Technologies**   * Ruby / Rails / Sinatra * Python / Flask * SQL (Postgres / MySql) * JS / jQuery / Coffeescript | **Interests / Learning:**   * Haskell * Functional Programming * Node.js * Mongodb |