

# Ephraim Pei

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EP

## Recent Projects

### Nom noms (Rails, React.js, PostgreSQL) | [Live](#) | [Github](#) |

*A social-themed location search platform inspired by Yelp*

- Custom string parsing logic and SQL queries enable partial matching for all searches
- Search by distance implemented in SQL using the Haversine formula
- RESTful JSON APIs render jBuilder views to serve data into Flux
- Google Maps API integrated with search index to reveal a map with clickable markers
- AJAX requests create autocomplete lists and filter search results in real time
- Stores uploaded pictures in AWS S3 using Paperclip and Figaro

### Sales Reporting Visualization (Node.js, D3.js) | [Live](#) | [Github](#) |

*Visualize basic sales data with an interactive tree layout*

- Supports multi-tiered hierarchy structures including many to many relationships
- DataStore script enables extremely modular code with separation of concerns
- Filter options triggers DataStore action to recalculate aggregate data values
- Mouseover/out events reveal mini chart with aggregated sales data from DataStore
- Upload functionality adapts to any column name and field descriptions

### SQL Object (Ruby, SQLite) | [Github](#) |

*An ORM solution inspired by Rail's ActiveRecord*

- Maps Ruby objects and factory methods to SQL queries
- Associatable module extends SQL Object class with well known Rails associations

## Skills

Ruby  
Python

Rails  
JavaScript

HTML5  
React.js

CSS3  
jQuery

AWS  
d3.js

Git  
SQL

## Experience

### Ernst and Young • Senior IT Consultant • Supply Chain Jan 2013 – Sept 2015

- Served as the IT business partner for 2 SAP implementations throughout full SDLC
- Managed workload and prioritization for teams of up to 5 developers
- Designed Demand, Supply, Sales & Ops, and Integrated Business Planning processes
- Advised clients on supply chain planning and IT implementation best practices

### Accenture • Systems Integration Analyst • Supply Chain Nov 2009 – Dec 2012

- Architected 2 end-to-end supply chain planning solutions in SAP ERP
- Implemented 3 SOAP and 6 MILSTRAP XML transaction sets in SAP ERP
- Developed Microsoft Excel tools in Visual Basic and SQL to facilitate project efforts
- Converted legacy sales history data (manual Excel files) into SAP ready data files

## Education

### App Academy

Sept 2015 – Dec 2015

*Full stack web development with emphasis on CS fundamentals, pair programming, and the latest technologies and frameworks*

### Lehigh University

Aug 2005 – May 2009

*B.S. in Industrial Engineering • Cum Laude • 3.5 GPA*



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