

David Simowitz

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Skills

Languages/Tools

- Python, C++, SQL, HTML, CSS, JavaScript, Git, Perforce
- Flask, Apache, NGINX, Google Cloud Platform, AWS
- Photoshop, Illustrator

Projects

Coordinate App

- Designed and implemented responsive web application—with user registration and authentication—that allows users to browse—as well as plan, update, and cancel—events by activity.
- Created Attending/Considering user functionality with AJAX calls to take effect without reloading event page.
- Achieved performance score of 100 using Lighthouse in Chrome DevTools.

Neighborhood Map

- Built single-page, responsive map application that allows users to view a list of neighborhood establishments.
- Implemented list filter to update map markers and list locations with respect to search input immediately on each keystroke or other text entry mechanism.
- Programmed application to display sourced venue data from Foursquare API upon user selection of map marker or list location.

Linux Server

- Set up web application server—built from a baseline Linux installation—secured against a number of attack vectors and configured to serve the Coordinate App project.
- Automated process to check for, update, and install security packages each day to prevent system from being exploited through known software vulnerabilities.

Experience

Fidessa

Trading Platform Delivery Engineer

New York, NY
June 2014–July 2015

- Prioritized, designed, tested, and deployed customized solutions using Tcl, SQL, Java, and proprietary programming languages to satisfy client-driven requirements.
- Expedited delivery of solution to critical red flag issue across 100+ clients concurrently.

Fidessa

System Specialist

New York, NY
June 2013–June 2014

- Translated client goals into clear engineering requirements which could be tested against to prove adherence.
- Upgraded trading platform by applying patches from core product to heavily modified client specific version.
- Performed requirements analysis on delta file processing and valuation strategy enhancements.

Fidessa

Implementation Specialist

New York, NY
August 2011–June 2013

- Migrated international bank's US equity, ADR member trading, and global order routing to Fidessa's trading platform.
- Implemented front-end functionality to calculate and display summary bar on order fills grid for user highlighted fills in FTW (Fidessa Trader Workbench).

Education

Udacity—Nanodegree, Full Stack Web Developer

2018

State University of New York at Stony Brook—Bachelor of Engineering, Computer Engineering

2010

Farmingdale State University of New York—Bachelor of Technology, Visual Communications

2005