RUBEN ESTRADA

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Skills

PROGRAMMING

Java
SQL
Python
C
HTML
CSS
Javascript
jQuery
XML
JSON
C++
C#
.Net Core

DEVELOPMENT

Unit Testing
Git Version Control
REST API
Test Driven Development
Mobile-First and Responsive Design

OTHER SOFTWARE

AutoCAD
Photoshop
ArcGIS

Education

Illinois Institute of Technology
B.S. Computer Science - December 2016
Relevant coursework: Object Oriented Design Programming, Fundamentals of Web Development, Software Engineering, Data Structures & Algorithms, Database Organization, Information Security

Employment

Construction CAD Solutions
Designer/CAD Tech   Willowbrook, IL — Mar 2015 to Current
- Optimize conduit routes for the installation of fiber optic/coax cable in the greater Chicago area and coordinate conflict solutions with local municipalities and other engineering companies
- Coordinate drawings submitted to Chicago's OUC for the Existing Facility Protection process
- Quality check drawings to ensure company and village standards are met
- Discuss route conflicts with engineers or government entities to propose solutions and assign adjustments to the drawings based on this feedback
- Manage deadlines, workload, and benchmarks for a team of 20 freelance drafters across the globe

Exelon Summer Institute/Freelance Coder Camp - IIT
Teacher Assistant   Chicago, IL — Jun 2014 to Aug 2015
- Taught incoming IIT freshmen and high school students in the concepts of Java and programmed Arduino robots. Concepts included data types, loops, and arrays
- Assisted students with HTML, and CSS to create and publish a website to form their own web presence

Projects

Personal Website
Jan 2017 to Current
Created a website (estrada-ruben.com) written in valid and well-formed semantic HTML and CSS to form the foundation of a professional web presence. This website followed mobile-first and responsive design and was built using git version control.

Synchronization Script - CCS Project
May 2017 to Jun 2017
Developed a script using Python which increased project tracking efficiency. The goal of this script was to exchange information between the Smartsheet API and the Teamwork API, removing the time it takes to manually input this information. Interviews and user experiences were studied to refine the project requirements.

Text To Gifs - Fundamentals of Web Development Class Project
Nov 2016 to Dec 2016
Created a website (TextToGif.me) which uses Javascript and the jQuery library to send REST requests to two APIs to analyze given text and outputs GIFs based on the sentiment and categories within such text

Database Organization Class Project
Oct 2015 to Nov 2015
Created an application written in Java which connected to an SQL database, and would use queries to modify the existing database or request information. Users were able to join a PC and/or restaurant interest groups and interact with existing posts, or make their own. They were also able to sell/purchase computers.

Awards

Illinois Institute of Technology · Dean's List
Feb 2017
Earned a place on the College of Science Dean's List for excellent scholarly achievement during the fall 2016 semester.

Volunteering

DDLR Scholarship · Logistics Support
Chicago, IL — 2015 to Current
Helped support fundraisers

Viva Technology · College Captain
Chicago, IL — Mar 2013 to Mar 2016
Mentored groups of elementary and high school students through multiple challenges provided to them to increase their interest in the STEM field

FreeGeek Chicago
Chicago, IL — Nov 2014 to Sep 2015
Took apart donated computers and recycled them to provide functional computers to those who want them