Rubén Estrada

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Education

Illinois Institute of Technology, Chicago, IL   **August 2012 – December 2016**

- Program: Bachelor of Science in Computer Science
- Relevant Coursework:
  - Object Oriented Design Programming
  - Systems Programming
  - Database Organization
  - Software Engineering
  - Introduction to Wireless Networks & Performance
  - Information Security

Experience

Construction CAD Solutions, Designer, Willowbrook, IL   **March 2015-Present**

- Propose optimal routes for the installation of fiber optic/coax cable in Chicago and its nearby suburbs utilizing:
  - AutoCAD, County GIS's, and Google Earth/Maps, and Information Retrieval maps.
- Quality check drawings to ensure company and village standards are met
- Assign adjustments to drawings based on feedback from engineer or government entity
- Discuss route conflicts with engineers and propose solutions
- Manage deadlines, workload, and benchmarks for team members

Exelon Summer Institute, Teacher Assistant, Chicago, IL   **June 2014-August 2015**

- Instructed and tutored incoming IIT freshmen in the concepts of Java and programmed Arduino robots
  - Data types, loops, and arrays

Freelance Coder Camp, Teacher Assistant, Chicago, IL   **June 2014-August 2015**

- Instructed high school students in the concepts of Java and programmed Arduino robots
  - Data types, loops, and arrays
- Assisted the students with HTML, CSS, and PHP

Projects

- **Personal website:** Created a website written in valid and well-formed semantic HTML and CSS to form the foundation of a professional web presence.
- **Text to Gifs:** Created a website which uses jQuery to send REST requests to two APIs to analyze given text and outputs GIFs based on the sentiment and categories within such text.

Skills

Programming: Java, SQL, Python, C, HTML, CSS, Javascript, jQuery, XML, JSON
Development: Unit Testing, Git Version Control, RESTful Interface, TDD
Software: Photoshop, AutoCAD

Mobile-First and Responsive Design

Awards

STEM+ Scholarship
Heald Scholarship
Protiviti Scholarship
Chicago Engineers Foundation Scholarship

Volunteer Work

- **Viva Technology**   **March 2013-March 2016**
  - College captain - Mentored groups of elementary and high school students through multiple challenges provided to them to increase their interest in the STEM field.
- **FreeGeek Chicago**   **November 2014-September 2015**
  - Took apart donated computers and recycled them to provide functional computers to those who want them.