

# Rubén Estrada

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## Education

**Illinois Institute of Technology, Chicago, IL**

**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**

- Taught 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**

- Taught 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.

## Expertise

**Programming:** Java, SQL, Python, C, HTML, CSS, Javascript, jQuery, XML, JSON

**Development:** Unit Testing, Git Version Control, RESTful Interface, TDD

**Software:** Photoshop, AutoCAD

## Awards

STEM+ Scholarship

Heald Scholarship

Protiviti Scholarship

Chicago Engineers Foundation Scholarship

**Mobile-First and Responsive Design**

## Community Involvement

- **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.