

Robert O'Connor | 🏠 New Windsor, NY | ✉ robby.oconnor@gmail.com | ☎ (917) 426- 7020  
🌐 /robbyoconnor | 🌐 /in/robbyoconnor

## SKILLS

Languages	Technologies	Databases	Development	Platforms	Tools	Methodologies
Ruby, Javascript, Python, Java	HTML5, CSS3, SCSS/Sass/LESS, JQuery, Node.js, Rails	MySQL, SQLite, PostgreSQL/Post-GIS, MongoDB	IntelliJ, Vim, Emacs + Evil	Web, Windows, Linux, Android	GitHub, Vagrant Docker, Chef Puppet, Ansible, Pivotal Tracker	Agile, SCRUM, Continuous Integration

## EDUCATION

**Hunter College, City University of New York (CUNY)**, Received January 2015, Bachelor of Arts (BA) in Computer Science

**State University of New York (SUNY) Orange**, Received Dec 2010, Associates of Science (AS) in Computer Science

## EXPERIENCE

**OpenMRS** *Manager, Identity Systems* **January 2015-Present**

- Maintaining and providing user support for the OpenMRS Identity Systems (ID Dashboard, <https://github.com/openmrs/openmrs-contrib-id> which uses MongoDB and OpenLDAP to connect all OpenMRS infrastructure such as Discourse, Atlassian Confluence/JIRA)
- Utilizing Docker, Vagrant and Puppet to automate the process of setting up development environments, simultaneously also making deployments easier
- Acting as a member of the Infrastructure team and provide infrastructure support to the community and do rotating on-call shifts.

### **TicTacToe**

- Designed variable sized (3x3 up to 12x12) tictactoe game, written in both Ruby and Javascript. using a modular architecture with a clean object-oriented design. <https://github.com/robbyoconnor/tictactoe> (Ruby), <https://github.com/robbyoconnor/tictactoe.js> (Javascript/ES6)

**CUNY Codes (ParkeZ)** **March-April 2016**

- Collaborated using the SCRUM Agile methodology using Pivotal Tracker with a 3-person team to create a crowd-sourced Android application to find free parking anywhere off of the street (<https://github.com/ParkeZ/ParkeZ-Android>)
- Coded a Rails 5 backend using PostgreSQL with geospatial queries enabled by PostGIS (<https://github.com/ParkeZ/ParkeZ-API>)

**Google Summer of Code** *Software Engineer* **Summers 2008-10**

- Created a form entry system which utilized the Groovy programming language to ease the task of creating new forms for OpenMRS, under the mentorship of Burke Mamlin, M.D.
- Made a tool to collect non-patient centric data for statistical reporting purposes called the Facility Data Module for OpenMRS, an enterprise medical records system for the developing world under the mentorship of Michael Seaton
- Developed a survey tool for the Sahana Eden platform (a disaster relief management platform) for the Sahana Software Foundation as part of the Google Summer of Code program under the mentorship of Michael Howden

**Independent Living, Inc.** *Data Entry Specialist* **January 2001-May 2008**

- Assisted the IT director in setting up new systems, processed intake forms, performed other data entry tasks as needed

## OTHER EXPERIENCE

**2011 to present** Mentored Google Code-in, a global, online contest introducing 13-17 year old students to open source software development

**2011-13; 2015-present** Mentored Google Summer of Code

**2013-14** Founding President, Association for Computing Machinery Student Chapter (ACM) <http://bit.ly/hunteracm>