

# B. MAXWELL RUOTSI

Python/ Django Developer - Data Scientist

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📍 Raleigh-Durham NC



## RELEVANT EXPERIENCE

### WellCom - The Iron Yard Capstone Project

- Spent 3 weeks working with a small team utilizing agile development to build a remote monitoring system for water wells in Ghana
- Hardware construction using Arduino UNO and FONA 800 GSM and peripherals for gathering data on well usage
- Django website for communication with hardware and presenting relevant data to users, includes Django REST Framework for API.
- Maps made using the Google Maps API and graphs constructed using the NVD3.js library.

### The Iron Yard - Web Development with Python/Django

📅 July 2016 - Sep 2016 📍 Durham NC

- The Iron Yard is a 12-week immersive programming course aimed at preparing students with the skills of a junior level software developer and training them in approaching and solving problems
- Explored use of server-side frameworks, machine learning, data science, databases, APIs, and user interface frameworks

## WORK EXPERIENCE

### Chief Technician

[Ontario Specialty Contracting - Green Machine](#)

📅 May 2015 - June 2016 📍 Buffalo NY

- Designed and constructed li-ion batteries for conversion of diesel equipment to all-electric machinery
- Organized multiple teams (welding, machine shop, mechanics) for completing tasks pertaining to single machines
- Used battery management systems to tune AC motor and battery for optimal operation

## SKILLS

Languages: Python, HTML/CSS, Javascript

Frameworks: Django, Bootstrap

Databases: Relational Databases, PostgreSQL

OS: Windows and OSX

Misc: TDD, Version Control with Git, Web Development, Django REST, RESTful API, AJAX, JQUERY, MVC Fundamentals, Heroku, Scikit-learn, Pandas, Agile Development, NVD3.js

## EDUCATION

### Back-End Engineering with Python and Django

[The Iron Yard, Durham NC](#)

📅 July 2016 - Sep 2016

### BS Biology

[College of Charleston, Charleston SC](#)

📅 Aug 2009 - May 2013