

# Pedro Urbina

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[github.com/terraflux](https://github.com/terraflux)

[pedrourbina.com](http://pedrourbina.com)

## EDUCATION

### University of Miami, Coral Gables FL

Bachelor of Science in Computer Science (Graduation 2018)

#### Relevant Courses

- Computer Programming II
- Computer Organization and Architecture
- Introduction to Linear Algebra
- Introduction to Probability and Statistics
- Discrete Mathematics

### Bloc, San Francisco CA

April 2014 - Current

#### Full Stack Web Development Track (Complete)

- Back end fundamentals developed through a project portfolio built on Ruby on Rails
- Front end foundations built on AngularJS projects.
- Amazon Alexa Skill app development

#### Software Engineering Principles Track

- Data Structures, Algorithms & Complexity Analysis, Database Management

## EXPERIENCE

### Freelance Web Development

Summer 2015 - Summer 2016

Developed and maintained websites, managed client expectations and implementations.

- [ForwardITSolutions.net](http://ForwardITSolutions.net)
- [ElHappyCoach.com](http://ElHappyCoach.com)
- [wvum.org](http://wvum.org)

### SDSol Technologies

March 2014 - May 2014

#### Arduino Programming for MyPark Project

- Analyzed circuitry for power consumption optimization.
- Collaborated with existing development team to implement GSM and Bluetooth integration and protocols.

## SKILLS

**Languages:** English, Spanish, Mandarin, Java, Javascript, Ruby, Python, SQL, HTML, CSS

**Software:** Eclipse, Anjuta, Octave, JQuery, GNU Radio

**Architectures:** Ruby on Rails, Material Angular, MEAN Stack

## ACTIVITIES

- Institute of Electrical and Electronics Engineers(IEEE)
  - Participated in extracurricular coding courses and challenges
- Students for the Exploration and Development of Space(SEDs)
  - Drafted proposal for ARISS Contact Event
- WVUM 90.5FM College Radio
  - Web Staff Contributor
- FCC Certified Amateur Radio Technician
  - Callsign KM4ZHU
- Attended DEFCON24

## PROJECTS

- Amazon Alexa App Developer
  - Math Facts
    - Fact queries for mathematical topics
  - Angular Trivia
    - Quiz app for Angular developers
  - Clone Quest
    - Voice activated game
- Totem
  - Miami Make Week Pitch Competition Finalist
  - Digital Bulletin Board built on Raspberry Pi and Ruby on Rails

