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Park Gardens Court,  
San Juan, P.R. 00926

# Karlo Luis Martínez Martos

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## Employment

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**Developer** **MigoIQ** **Summer 2016 - Current**

- Back-end development of some core features and processes.
- Geospatial data processing for items and proper convex representations.
- Front-end integration of mapping features based on data analysis.

**Promoter** **Buena Vibra** **February 2016 - Current**

- Served as staff and host/facilitator in multiple events working directly with producers.
- Promoted to marketing team supervisor composed of three or four promoters for flier distribution.

**Technical Support** **University of Puerto Rico** **January 2013 – July 2013**

- Assembling and/or maintenance to a variety of equipment, adequate use and functionality on and off site.
- Handled sensitive data for both students and personnel.
- Pre-configured each of the new units with the standard software that included specialized software from administrative use.

**Student Researcher** **University of Kentucky** **Summer 2012**

- Developed a visualization project that consisted on projecting non-flat surfaces.
- Worked with in house software designed to manipulate and distort projections to custom surfaces.

**Student Research Assistant** **University of Puerto Rico** **January – May 2012**

- Optimized code for a Linear System Solver of space matrixes, performing Jacobi or Gauss-Seidel operations.
- Effectively improved memory use and performance by introducing compiled C code instead of using the Matlab interpreter at run time.

## Education

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**Rio Piedras Campus** **University of Puerto Rico** **Fall 2009 – Fall 2015**

- B.S.E. in Computer Science, December 2005.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Software Engineering; Theory of Computation; Parallel Computing; Machine Learning; Physics; Compilers; Networking; Assemblers; Calculus II;

## Technical Experience

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### Projects

- **LoL-Slack:** Using Slack integration and RIOT API to display elegant data. On demand League of Legends information for Slack.
- **Gap Primes MPI (2010):** Calculate the gap between all prime numbers smaller than 100,000 in parallel.

Github <http://github.com/karloluis>

## Additional Experience and Awards

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- Mongo University course for NodeJS completion.
- Active collaboration on Atom (GitHub text editor) and other packages.
- HackPR 2014: Mayaguez (March 30) & (September 27)
- Individual Tutoring Instructor - Math & Science Tutoring

## Languages and Technologies

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- Javascript; Python; C++; Matlab; MongoDB; ExpressJS; NodeJS; Meteor;
- HTML; CSS; LaTeX; Markdown; Vagrant; VirtualBox;