

Resume

Pablo Jose Estrada Murguia

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Nationality: **Mexico**

Location: **South Korea.**

Interests: **Network science/Graph theory/Data viz** | Experience: **Databases/Servers/Data analysis**

Work Experience

01-2015 to 03-2015: **Software Developer Intern. Google.** Seoul, South Korea.

- Working in the search team; on knowledge graph features.

01-2011 to 07-2013: **Software Developer. Oracle** Advanced Development Center. Mexico.

- Database Scheduler Team. Working on C, but also Java and SQL. Three-people team inherited an unstable 500,000+ line codebase, and made it release-stable, and worked on new features.

Open Source Contributions

- **Google Summer of Code 2014 and 2015**
 - **2014 Project:** Create algorithm that attempts to predict fault-prone test suites on automatic testing of **MariaDB** development. (github.com/pabloem/Kokiri)
 - **2015 Project:** Expanding **DBpedia**'s Linked Data Fragments server to have live updates to a Knowledge Graph stored in binary RDF. (github.com/pabloem/Server.js)

Independent projects

- Hanja Explorer (hanja.iampablo.me) - Data visualization and learning tool for study of Korean vocabulary using etymological roots. Design of front and back end. Web analytics, SEO, etc.

Education

Since 09-2013: Master's student on **Computational Science. Seoul National University.** Korean Government-sponsored Scholar.

- Working in the Machine Intelligence & Social Network Analysis Lab under professor Kyomin Jung.

07-2006 to 12-2010: **National University of Mexico.** Bachelor's degree. **Computer Engineering.**

- Graduated with **College Honors. GPA: 9.25/10**
- Exchange student at **University of California, Los Angeles** (GPA: 4.0), and **Stanford University** (GPA: 3.82).
- **Thesis project:** Parallel algorithm performance on multicore environments

Languages

Spanish, English - Native proficiency

Korean - Intermediate proficiency - TOPIK level 5 (Equivalent to level C1)

Technical skills

Python: 1 year - Working on data analysis. Graph Theory/Network Science/Machine learning.

Javascript: 1 year - Using Node.js to develop servers, and front end code for data visualizations (e.g. hanja.iampablo.me)

C/C++: 3 years - Committing into the **Oracle Database.** Database level programming.

PL/SQL: 2.5 years - Maintaining the **DBMS_SCHEDULER** Oracle Database package.

Java: 2.5 years - Working on the **Oracle Scheduler Remote Agent** and other projects.

Links

Github: <https://github.com/pabloem/> | Personal site: www.iampablo.me