

Harsh Tiwari

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WORK EXPERIENCE

(more at <https://gmartinezramirez.github.io>)

Research Assistant

University of Santiago

Mar. 2016 – Present

- Developed an scalable architecture in the edge of the network, using Set-Top-Boxes devices as a coordinator of the resources.

Web Developer

Self-employed

Mar. 2015 – Jan. 2017

- Gathered requirements, planned and developed responsive websites using HTML, CSS and JavaScript
- Performed validation and testing of finished websites thereby achieving the client objective before the deadline.

Teaching Assistant

University of Santiago

Mar. 2012 – Dec. 2016

- Conducted interactive discussions on a weekly basis and assisting them through question clarification. Subjects: Evolutionary Computation (2016), Programming Paradigms (2015 – 2016), Methods of Programming (2013), Linear Algebra (2013 – 2014), Introduction to Computer Programming (2012 – 2016), Calculus I (2012 – 2015).

EDUCATION

University of Santiago

Santiago, Chile.

- M.S.E. in Computer Science (c)** Mar. 2010 – Expected Dec. 2017. GPA: 5.72/7.0
- Computer Science Engineering** Mar. 2010 – Expected Dec. 2017. GPA: 5.20/7.0
- B.S.E. in Computer Science Engineering** Mar. 2010 – Sep. 2015. GPA: 5.20/7.0
- Graduate Coursework: Scalable Distributed Systems, Human Computer and Information Retrieval, Object-Oriented Programming, Evolutionary Computation.
- Undergraduated Coursework: Computer Architecture, Algorithms, Parallel Computing, Operating Systems, Data Structures, Distributed Systems, Compilers, Paradigms of Programming, Databases, Computational Theory.
- M.S.E. Scholarship Recipient (2016). Selected out of 700 students to receive \$11,000 academic scholarship due to outstanding academic performance and community involvement.

INDEPENDENT PROJECTS

(more at <https://gmartinezramirez.github.io/projects>)

Project 1 C, C++

github.com/gmartinezramirez/project1

September 2015 – Present

- Contributed to internal deploy system to allow users to deploy to multiple Apache Aurora zones.

Project 2 C, C++

github.com/gmartinezramirez/project2

August 2014 – August 2015

- Contributed usability fixes to the Apache Aurora command line client.

Project 3 C, C++

github.com/gmartinezramirez/project3

August 2014 – August 2015

- Contributed usability fixes to the Apache Aurora command line client.

Project 4 C, C++

github.com/gmartinezramirez/project4

August 2014 – August 2015

- Contributed usability fixes to the Apache Aurora command line client.

ACTIVITIES

Team Member

Facebook Hackathon

Chile – 24 Hours – Apr. 2017

- We developed a mobile application of a chat which can be used without Internet and using DTN networks.

Team Member

NASA Space Apps Hackathon

Chile – 36 Hours – Apr. 2017

- We developed a firespread simulator of a chat which can be used without Internet.

Active Member

GNU/Linux University Community

Dec. 2012 – Mar. 2015

- Working with volunteers in the organization of events and talks about Free Software philosophy and programs including tutorials about installation of GNU/Linux distributions.

Publications

Co-Author

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- Effects of Visual Representation of Search Engine Results on Performance, User Experience, and Visual Effort. ASIS&T 2017, 80th Annual Meeting of the Association, Washington D.C (Crystal City, Virginia), USA.

SKILLS

- Programming (Proficient):** Java, Python
- Programming (Familiar):** C++, Scala, Go, JavaScript
- Libraries/Platforms:** Node.js, Express, Flask, Socket.io
- Data/Databases:** SQL, Machine Learning, MongoDB, Redis

Languages – Spanish: native. **English:** work level.