

# NICOLÁS HOCK ISAZA

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<http://blog.nhocki.com>

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## WORK HISTORY

### **We Heart It**

**Software Engineer** (April 2013 - Present)

#### **Backend Software Engineer**

- Part of a 4 people team for the backend of We Heart It, built using Ruby (on Rails).
- Backend runs on multiple technologies including MySQL, Redis, Cassandra RabbitMQ among others.

### **Massachusetts Institute of Technology (MIT)**

**Visiting Research Student** (October 2011 - April 2013)

#### **Full-Time Research Student at CECI Lab**

- Develop a remote laboratory using the iLab Shared Architecture (Building Energy Efficiency Lab).
- Develop a tool to communicate LMS systems with Remote Lab Management Systems.
- Develop a ruby client to connect to the Weblab Deusto Remote Lab Management System.

**StackBuilders** (February 2012 - December 2012)

#### **Ruby on Rails Developer**

- Work for a different sort of clients, using Ruby on Rails, Pivotal Tracker, GitHub and some agile methodologies.

### **EAFIT University (Medellín, Colombia)**

**R+D in Computers in Education** (October 2009 - July 2012)

#### **Part-Time Research Assistant**

- Develop various projects focused on Computers in Education working closely with Colombian's Ministry of Education.
- Write API guidelines for services in projects for Medelln city projects.

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## EDUCATION

### **EAFIT University (Medellín, Colombia)**

#### **Computer Science**

2007-2012

Final Cumulative (GPA): 4.4/5

Selected Coursework:

**Computer Science:** Networking · Databases · Data Structures and Algorithms · Computer Graphics · Web Intelligence & Big Data (Introduction) · Numerical Analysis · Operating Systems · Computer Architecture · Compilers · Software Engineering

**Mathematics:** Multivariable Calculus · Linear Algebra · Discrete Math · Physics · Statistics · Operations Research

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## SKILLS

- Proficient in Ruby, Javascript and Git.
- Proficient with database modeling.
- Proficient with API design and application architecture.
- Proficient in Test-Driven-Development and Behaviour-Driven-Development.
- Proficient with HTML and CSS for frontend development.
- Familiar with Photoshop, Illustrator and Fireworks.

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## LANGUAGES

- Spanish - Excellent (Native)
- English - Excellent (TOEIC 920)

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## ACHIEVEMENTS

- ACM-ICPC World Finals, Orlando Florida, Participant, 05/27/2011 - 01/06/2011
- South American Contest ACM ICPC, Universidad de los Andes, Second place, 2010
- National Programming Contest ACIS REDIS, Medellin Colombia, Eight place, 2010
- South American Contest ACM ICPC, Universidad de los Andes, Fifth place, 2009
- Third GEMIS-OE Programming Contest, EAFIT University, First place, 2009

## CONTACTS

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**John W. Belcher, Tenured Professor.** (MIT)

*Director of the Center for Educational Computing Initiatives*

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**V Judson Harward** (Harvard University)

*Director of Research Computing for the Arts and Humanities*

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**Claudia Mara Zea Restrepo, M.Ed.** (Universidad EAFIT)

*Director of Proyecto 50, Center for Innovation and Technology in Teaching and Learning.*

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**Juan Guillermo Lalinde Pulido, Ph.D.** (Universidad EAFIT)

*Professor of the Data Structures, Algorithms and Operating System lectures.*

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**Helmuth Trefftz Gmez, Ph.D.** (Universidad EAFIT)

*Chair of Computer Science Department.*

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## PERSONAL LINKS

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Personal Blog: <http://blog.nhocki.com/>

GitHub profile: <https://github.com/nhocki>

Twitter profile: <https://twitter.com/nhocki>