

# NICOLÁS HOCK ISAZA

Address: Calle 36D Sur #26A 62 Phone: (+57) 310 373 6026

• nhocki@gmail.com • nhockis1@eafit.edu.co

---

## WORK HISTORY

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

**R+D In Computer in Education** (October 2009 - Present)

#### *Part-Time Research Assistant*

- Develop a social network with Ruby on Rails for the University
- Develop a social network for the Colombian Ministry of Education called "Banco de Proyectos"

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

**University Library** (October 2010 - Current)

#### *Developer*

- Design and develop a Book-Trade social network
- <http://truequeliterario.com/>

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

**SIRI Research Project** (January 2008 - 2009)

#### *Part-Time Research Assistant*

- Develop a software that creates the collatio from different editions of the same text.
- Tune-up the algorithm to compare long texts.
- Design and develop the UI for the software.

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

**Seminar for Programming Contest** (January 2009 - Current)

#### *Director and Teacher*

- Teach simple and advanced data structures
- Teach advanced algorithms for programming contest

---

## EDUCATION

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

#### **Computer Science**

2007-Current

Current Cumulative (GPA): 4.4/5

Selected Coursework:

**Computer Science:** Computer Graphics · Programming Languages · Data Structures and Algorithms · Automata & Computation · Numerical Analysis · Databases · Operating Systems · Computer Architecture · Compilers · Software Engineering

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

### **Universidad de Antioquia (Medellín, Colombia)**

#### **Mathematics**

2008-2010

Retired for Internship

Selected Coursework:

**Mathematics:** Real Analysis · Linear Algebra · Logic · Set Theory · Differential Equations · Number Theory

---

## SKILLS

- Proficient in software development using C/C++ and Ruby.
- Proficient in Web Development using Rails.
- Proficient in TDD and BDD.
- Familiar with Javascript and Bash.
- Familiar with GNU/Linux and Mac OS X.
- Familiar with technologies such as Git and SVN.
- Familiar with Photoshop, Illustrator, Fireworks, Flash and Flex.

---

## LANGUAGES

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

## CONTACTS

---

**Juan Guillermo Lalinde** (Universidad EAFIT)

*Professor of the data structures, algorithms and operating system signatures*

- [jlalinde@eafit.edu.co](mailto:jlalinde@eafit.edu.co) - (+57)311 349 81 74

**Helmuth Trefftz** (Universidad EAFIT)

*Professor of computer graphics. Chair of Computer Science Department*

- [htrefftz@eafit.edu.co](mailto:htrefftz@eafit.edu.co) - (+57)301 371 41 32

## 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

## PERSONAL PROJECTS

---

**Here I keep my personal projects** (Current)

*Developer*

- <https://github.com/nhocki/>