



**#include** <*girls*>

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# Computer Science

“Computer science is a discipline that involves the understanding and design of computers and computational processes. In its most general form it is concerned with the understanding of information transfer and transformation.” [1]

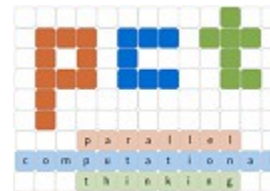
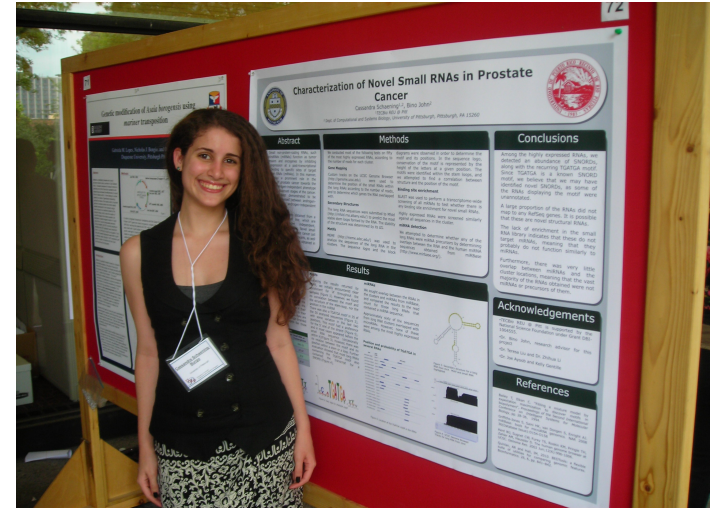
At its core: abstraction and problem solving

[1] <http://www.cs.mtu.edu/~john/whatiscs.html>

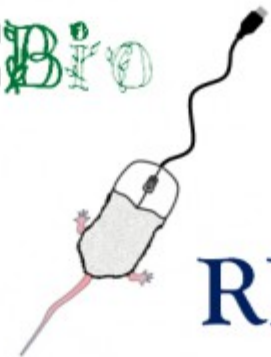


# About me

College: University of Puerto Rico,  
Rio Piedras  
High School: Colegio Marista,  
Guaynabo



DEPARTAMENTO DE  
CIENCIA DE CÓMPUTOS



REU



# Computer Science

## Fields

- Algorithms
  - Theory of Computation
  - Computer Architecture
  - Artificial Intelligence
  - Many others!
- Networks
  - Programming Language Theory
  - Databases
  - Computational Sciences



# Computer Science

"Computer science is no more about computers than astronomy is about telescopes."

--Edsger W. Dijkstra



# Computer Science @ UPR-RP

10 faculty

~100 students

Small, but an active and encouraging community





# Computer Science @ UPR-RP

## TALLER: PROGRAMACIÓN PARALELA USANDO PYTHON

RECURSO: DR. JOSÉ ORTIZ  
INVITA: PROYECTO NSF-CPATH PCT



Competencias

ACM-ICPC

acm International Collegiate Programming Contest

## Conversatorio sobre lenguajes de programación

Fecha  
Miércoles 6/noviembre/2013  
Hora  
4:00 pm  
Lugar  
Anfiteatro - A211

## Introducción de programación de GUI con Qt

Participa del taller introductorio sobre programación en Qt  
Auspicio: Departamento de Ciencia de Cómputos, UPR-RP

Recurso  
Jonathan Vélez

Qt es una biblioteca multiplataforma ampliamente usada para desarrollar aplicaciones con interfaz gráfica de usuario. También sirve para el desarrollo de programas sin interfaz gráfica.

## CUÉNTANOS QUÉ HICISTE DURANTE EL VERANO II



## Charlas de estudiantes en investigación de Ciencia de Cómputos

Good Bad

## Ethical Hacking

By: José Alejandro Medina  
System and Network administrator HPCf  
B.S. Computer Science UPR-RP

nodeJS? WTF?!



ACM UPRRP  
ASSOCIATION FOR COMPUTING MACHINERY

## TALLER DE NODE.JS

26 y 27 / FEB / 2013 (martes y miércoles)  
7:30 - 9:30 PM



# #include <girls>

Student organization at UPR-RP for promoting interest in computing among women students.



#INCLUDE







# #include <girls>

## Origins

- Very few women in the CS department
- Started by 4 students to address the issue
- Participated and spoke at activities in the department and the school
  - Open houses
  - High-school visits



**#include** <girls>

## Goals

- Create a supportive environment for women in computing at UPR-RP
- Carry out activities that introduce people to computer science
- Highlight the achievements of women in computing



**#include** <girls>

## Lessons

- The support from your community is a powerful thing.
- Create the opportunities that are missing
- Do what you can with what you have