

# Curriculum Vitae

Arnold Noronha

Spring 2009

## Academic

- Currently pursuing a PhD in Computer Science at the University of Pennsylvania. My research interests are broadly in Theoretical Computer Science.
- Undergraduate: Bsc (Hons) in Mathematics and Computer Science from Chennai Mathematical Institute.<sup>1</sup>

## Achievements

- Selected and successfully completed my project as part of Google Summer of Code, 2008.
- In 2008, I was part of a team that got selected and participated in the prestigious **ACM Intercollegiate Programming Competition** finals, held at Banff, Canada.
- In 2006, I was selected as a **Kishore Vaigyanic Protsahan Yojana (KVPY)**<sup>2</sup> fellow.
- In 2005, I represented India at the 17th **International Olympiad in Informatics**, Nowy Sacz, Poland, and won a bronze medal.
- In 2003, I was selected as a **National Talent Search Examination** scholar. (High school)

Apart from these I have won many prizes in regional and international programming contests, which are too numerous to list here.

---

<sup>1</sup><http://www.cmi.ac.in>

<sup>2</sup><http://www.iisc.ernet.in/kvpy>

## Development Skills

I am proficient in many programming (incl. C/C++, Java) and scripting (incl. Bash, PHP) languages. Among my most notable projects:

- I have developed (and currently maintain) the CMI Online Programming Contest judge. Because of its well-conceived design which allowed for easy and secure deployment, it has been successfully used for many contests, and is currently being used for the IARCS problem archive.<sup>3</sup>
- I have developed (and currently maintain) a protocol plugin for the RediffBol protocol (widely used in some parts of India) for Pidgin (a popular IM client). See footnote <sup>4</sup>.
- As part of Google Summer of Code, 2008, I worked on Liferea<sup>5</sup>, writing code to synchronize the feedlist with Google Reader. I am now a regular contributor for Liferea.

## Internships

- Interned at TRDDC, Pune on problems related to machine learning in Bioinformatics, during summer of 2007.
- Worked as a research intern at Microsoft Research Labs, Bangalore, during December 2007.

## Other notable activities

- **Teaching.** Was assistant coach during the INOI training camp (from where the Indian team for the International Olympiad in Informatics is selected) during 2006 and 2007.
- **Sysadmin.** I have been a system administrator at one of CMI's older computer labs for a period of about one-and-a-half years.

---

<sup>3</sup><http://opc.iarcs.org.in>

<sup>4</sup><http://rediffbol-prpl.sourceforge.net>

<sup>5</sup><http://liferea.sourceforge.net>