

Sasikant Ponnappalli

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Permanent Address

5 Dandelion Lane
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Current Address

0508 East Clark
Room 404
Champaign, Illinois 61820

Education

University of Illinois at Urbana-Champaign Expected Graduation Date: May 2012

Bachelor of Science in Biomedical Engineering with dual Concentration in Electrical Engineering and Computer Science

Minor: Computer Science

GPA: 3.33/4.00

- James Scholar (Multiple semesters)
- Dean's List (1 semester)

Skills

- Programming: C, C++, Java, HTML, CSS, Python, PHP, Javascript, jQuery, Ruby on Rails(learning), Django
- Computer: Microsoft Office, Adobe Photoshop, SQL, VBA (Excel)

Relevant Coursework

Data Structures

Fall 2011

- Explored and coded with various data structures, such as, hash-table, heap, binary trees, stacks, and queues
- Designed multiple programs in C++ handling BMP images using concepts learned in class

Database Systems

Fall 2011

- Designed dynamic web page that interfaced with Databases using PHP and MySQL
- Learned how to index, optimize and execute queries

Programming in Java (honors)

Spring 2011

- Developed applications in Java for categorizing music based on genre, artist, year, etc. by applying sorting techniques and interfacing with database
- Developing Android Application to simulate poker hands and give odds of winning with a specific hand

Experience

Human Computer Interactions Champaign, Illinois

Present

Research Assistant

- Writing Open-Sourced Framework in python that allows for humans to run mechanical actions with the mind
- Developed Server- Side application for handling EEG waves in order to move robotic arm
- Designed and Developed a unique algorithm to offer tactile feedback in HCI experiments, currently being used in projects with over a million dollars in funding
- Designed a User Interface for multiple SSVEP applications

Verizon Wireless Basking Ridge, NJ

05//21/2011- 08/17/2011

Programming Intern

- Managed 6 projects from start to finish simultaneously interfacing with technical teams as well as executive business staff
- Organized and funneled incoming flux of projects from the business for team's weekly meeting
- Prepared and gave technology- based interviews to prospective full-time employees
- Developed server-side applications in Java/ Spring Roo utilizing AJAX

Cancer Modeling Champaign, IL

01//25/2011- Present

Research Assistant

- Collaborated with graduate students under Dr. Michael Insana on network analysis to analyze cancerous cells
- Designed algorithm in C++ to model chemical pathways within a tumorous cell

Engineering Career Services Champaign, Illinois

1/17/2011- Present

Student Tech Associate

- Fixed and maintained both hardware and software at the Engineering Career Offices such as Simplicity
- Communicated and networked with company representatives regarded information sessions, interviews, etc.
- Worked with students and helped them use Simplicity to post CV's online

Activities/Involvement

Biomedical Engineering Society UIUC Chapter

Fall 2008- Present

- Designed, manufactured, and presented prosthetic eyeball at the Engineering Open House
- Taught and tutored freshmen on concepts and applications behind data structures and other programming concepts