

Viraj Ojha Sinha

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428 N Grant St. Unit 2
West Lafayette, IN 47906

OBJECTIVES

To work on software projects with a team in a non-university environment. To continue to build my software engineering experience, hone my programming ability, and acquire new skills.

EDUCATION

Purdue University, West Lafayette, IN
Bachelor of Science, Computer Science
GPA: 2.75/4.00
Minors: Biology, Psychology, Philosophy

Expected May 2015

SKILLS

Languages: Python, C++, Java, C, ARM and x86 assembly, JavaScript, HTML/CSS

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Cognitive and Computational Neuroscience, Numerical Methods, Computer Graphics, Object Oriented Programming, Advanced C Programming, Linear Circuits

Tools: Linux / UNIX, MATLAB, OpenGL, SAS, oscilloscope, multimeter, function generator, lathe, mill, drill press, micropipette, microcentrifuge, X-ray chromatograph, various organic chemistry lab equipment

Labs: Cellular Biology, Genetics, Organic Chemistry

EXPERIENCE

IT Support Technician

March 2012 - Present

Purdue Krannert School of Management

- Provide courteous and patient on-site technical support and troubleshooting for nontechnical faculty, staff, and students
- Provide over-the-phone technical support
- Image and prepare new computers for deployment

Undergraduate Researcher

Summer 2012

Neuroprosthesis Research Lab, Purdue University

- Added data logging to software reading from electrodes implanted in rat brains
- Worked with graduate student on neural implant electrode coatings research

Software Development Intern

Summer 2011

Intrepid Technology, Inc. Palo Alto, CA

- Contributed Unified Parallel C (UPC) support to GNU Indent
- Constructed a parallelized search-based artificial intelligence Mancala player in C/UPC
- Added UPC support to several open source syntax highlighter projects
- Modified UPC package installation instructions for greater platform coverage
- Administrated several VMs for software development team

Lab Intern

Summers 2005, '07

University of California at Davis Plant Biology Lab

- Performed gel electrophoresis and PCR to assist with doctoral student research
- Gained lab experience while in high school

EXTRA-CURRICULAR

Purdue FIRST Robotics Mentor for Jefferson High School Team 1646
FIRST Robotics Team Captain for Saint Francis High School Team 2367
Purdue Formula SAE team member
Semi-professional event and hobby photography

REFERENCES

Available upon request