Viraj Ojha Sinha

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OBJECTIVES

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

EDUCATION

Purdue University, West Lafayette, IN   Expected May 2015
Bachelor of Science, Computer Science
GPA: 2.75/4.00
Minors: Biology, Psychology, Philosophy

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