Viraj Ojha Sinha

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OBJECTIVES

To work on interesting projects with knowledgable team members. To continue to build my software engineering experience, hone my programming abilities, and acquire new skills in an environment where people enjoy working. To learn everything possible.

EDUCATION

Bachelor of Science, Computer Science   Expected December 2014
Purdue University, West Lafayette, IN
Minors: Biology,Philosophy, Psychology

SKILLS

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

Relevant Coursework: Data Mining & Machine Learning, Compilers, Programming Languages, Metalogic, Analysis of Algorithms, Systems, Computer Architecture, Cognitive and Computational Neuroscience, Numerical Methods, Computer Graphics, 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

EXPERIENCE

Engineering Intern   Summer 2014
Numenta, Inc., Redwood City, CA
- Created an intelligent stock market data tracking application using NuPIC
- Increased Grok model serialization performance by 2 orders of magnitude

IT Support Technician   March 2012 - May 2014
Krannert School of Management, Purdue University
- Provide courteous and patient on-site and phone-based technical support and troubleshooting for nontechnical faculty, staff, and students
- 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
- Administrated several VMs for software development

EXTRA

Executive Board member of BoilerMake, Purdue's Hackathon
Won "Most Viable Startup" and "Most Technically Impressive" awards at MHacks III
Co-Founder and Vice President of Student Think Tank for India (STTI)
Purdue FIRST Robotics Mentor for Jefferson High School Team 1646
FIRST Robotics Team Captain for Saint Francis High School Team 2367
Semi-professional event and hobby photographer

REFERENCES

Available on request.