

Viraj Ojha Sinha

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OBJECTIVES To work on interesting projects with knowledgeable team members. To continue to build my design and software engineering experience, hone my programming abilities, and acquire new skills in an environment where people enjoy what they're doing. To learn everything possible.

EXPERIENCE *Software Engineer, Contractor* April - May 2015
OpenTrons, Inc., Brooklyn, NY

- Integrated WAMP-based server into robot control system and UI
- Architected custom dual-mode Raspberry Pi connectivity system

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

- Performed account management and sysadmin duties
- Provided courteous and patient on-site technical support and troubleshooting for non-technical faculty, staff, and students

Undergraduate Researcher Summer 2012
Neuroprosthesis Research Lab, Purdue University

- Added data logging to software reading from electrodes implanted in rat brains
- Worked with graduate students 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

EDUCATION *Recurse Center (formerly Hacker School)* February 2015 - May 2015
Manhattan, NY

Bachelor of Science, Computer Science December 2014
Purdue University, West Lafayette, IN
Minors: Biology, Philosophy, Psychology
GPA: 0x4039999a (IEEE 754)

SKILLS **Fluent in:** Python, Java, Scala, Swift (iOS)
Experience in: JavaScript, Haskell, C, C++, Objective C, HTML/CSS, R, ARM & x86 asm
Tools: Linux/UNIX, MATLAB, OpenGL, LaTeX SAS, Biology/Biochem wet lab experience.

EXTRA Center For Applied Rationality (CFAR) alumnus
Executive Team 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
Vim user

REFERENCES Available on request.