Viraj Ojha Sinha

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EXPERIENCE

Software Engineer   January 2016 - Present
Microsoft, Bellevue, WA
- Engineer on Loop, the team behind Arrow and Next (more info coming soon!)

Program Manager   September - December 2015
Microsoft, Bellevue, WA
- Helped lead experimentation and AB testing on office.com and neighboring teams

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 patient on-site technical support for nontechnical 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
(formal)**

Recurse Center (formerly Hacker School)   (SP1'15) 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: JavaScript (node.js), Python, Java, Scala, Swift (iOS)
Experience with: Haskell, C, C++, Objective C, HTML/CSS, R, ARM & x86 asm
Tools: UNIX, cloud and cluster management, Mesos/Marathon/DCOS, Docker, biochem wet lab experience.

EXTRA

Executive Teammate on BoilerMake, Purdue's hackathon (400 students, $250,000 in funding)
Won "Most Viable Startup" and "Most Technically Impressive" awards at MHacks III
FIRST Robotics Competition Mentor (team 1646) and Team Captain (team 2367)
Center For Applied Rationality (CFAR) alumnus
Amateur Radio (HAM) Technician
Airplane Pilot (student)
Quadcopter Engineer
Beekeeper