Viraj Ojha Sinha

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EXPERIENCE

Software Engineer — January 2016 - Present
Microsoft, Bellevue, WA
- Engineer on Loop, formerly adding location awareness to mobile applications (www.loop.ms)
- Currently experimenting with Bing ads (native ads on mobile)
- Built a location aware athletics app for iOS to help people track runs and bike rides
- DevOps and tooling for our containerized server infrastructure, using open source tech
- Experimenting with team culture and creating a beautiful cooperative work environment

Program Manager — September - December 2015
Microsoft, Bellevue, WA
- Learned a lot about Microsoft

Software Engineer, Contractor — April - May 2015
OpenTrons, Inc., Brooklyn, NY
- Worked on a 3D printer-esque robot to automate biology experiments
- Developed control and connectivity systems as the 'brain' of the OT.one robot

Engineering Intern — Summer 2014
Numenta, Inc., Redwood City, CA
- Numenta is building computers which use the same general purpose pattern recognition algortihms as our human brains, learned a lot about computational neuroscience and AI
- Built a stock market anomaly detection tool using Numenta's open source software

IT Technician — March 2012 - May 2014
Krannert School of Management, Purdue University
- Sysadmin duties for Purude econ/business/marketing schools

Undergraduate Researcher — Summer 2012
Neuroprosthesis Research Lab, Purdue University
- Developed software reading from electrodes implanted in rat brains

Software Development Intern — Summer 2011
Intrepid Technology, Inc., Palo Alto, CA
- Contributed Unified Parallel C (UPC) support to GNU Indent
- Wrote a multithreaded A/B search-based "AI" Mancala player in C/UPC

EDUCATION (formal)

Recurse Center (formerly Hacker School) — (SP1'15) February 2015 - May 2015
Manhattan, NY

Bachelor of Science — December 2014
Purdue University, West Lafayette, IN
Major: Computer Science, **Minors**: Biology, Philosophy, Psychology
GPA: 0x4039999a (IEEE 754)
Favorite Classes: Compilers, Computational Neurosceince, Organic Chemistry

SOME SKILLS

Fluent in: JavaScript (node.js), Swift (iOS)
Experience with: Python, Java, Scala, Haskell, C, C++
Tools: UNIX, Mesos/Marathon/DCOS (cluster tooling), Docker, biochem wet lab experience

TRIVIA

Airplane Pilot (student)
Quadcopter Engineer (hobbyist)
Beekeeper