

Viraj Ojha Sinha

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EXPERIENCE

Software Engineer January 2016 - Present
Microsoft, Bellevue, WA

- Engineer on Loop, adding location awareness to mobile applications (www.loop.ms)
- Building a location aware athletics app for iOS (more information after release)
- 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 algorithms as our human brains, learned a lot about computational neuroscience and AI
- Made 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 Purdue econ/business/marketing schools
- Provided patient on-site technical support for nontechnical faculty, staff, and students

Undergraduate Researcher Summer 2012
Neuroprosthesis Research Lab, Purdue University

- Developed 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
- 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 Neuroscience, 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