

# Viraj Ojha Sinha

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<b>EXPERIENCE</b>	<i>Software Engineer</i> Microsoft, Bellevue, WA	January 2016 - Present
	<ul style="list-style-type: none"><li>• Engineer on Loop, adding location awareness to mobile applications (<a href="http://www.loop.ms">www.loop.ms</a>)</li><li>• Running high bandwidth microservice cluster using Mesos/Docker/Node.js (and others)</li><li>• Experimenting with team culture and creating a cooperative work environment</li></ul>	
	<i>Program Manager</i> Microsoft, Bellevue, WA	September - December 2015
	<i>Software Engineer, Contractor</i> OpenTrons, Inc., Brooklyn, NY	April - May 2015
	<ul style="list-style-type: none"><li>• Worked on a robot to help biology labs do more repeatable and higher quality science</li><li>• Developed control and connectivity systems as the 'brain' of the OT.one robot</li></ul>	
	<i>Engineering Intern</i> Numenta, Inc., Redwood City, CA	Summer 2014
	<ul style="list-style-type: none"><li>• Learned a lot about cortical functioning and algorithmically replicating this general pattern matching behavior</li><li>• Made a stock market anomaly detection tool using Numenta's open source software</li><li>• Increased Grok model serialization performance by 2 orders of magnitude</li></ul>	
	<i>IT Support Technician</i> Krannert School of Management, Purdue University	March 2012 - May 2014
	<ul style="list-style-type: none"><li>• Performed account management and sysadmin duties</li><li>• Provided patient on-site technical support for nontechnical faculty, staff, and students</li></ul>	
	<i>Undergraduate Researcher</i> Neuroprosthesis Research Lab, Purdue University	Summer 2012
	<ul style="list-style-type: none"><li>• Added data logging to software reading from electrodes implanted in rat brains</li><li>• Worked with graduate students on neural implant electrode coatings research</li></ul>	
	<i>Software Development Intern</i> Intrepid Technology, Inc., Palo Alto, CA	Summer 2011
<b>EDUCATION (formal)</b>	<ul style="list-style-type: none"><li>• Contributed Unified Parallel C (UPC) support to GNU Indent</li><li>• Constructed a parallelized search-based artificial intelligence Mancala player in C/UPC</li></ul>	
	<i>Recurse Center (formerly Hacker School)</i> Manhattan, NY	(SP1'15) February 2015 - May 2015
	<i>Bachelor of Science, Computer Science</i> Purdue University, West Lafayette, IN Minors: Biology, Philosophy, Psychology GPA: 0x4039999a (IEEE 754)	December 2014
<b>SKILLS</b>	<b>Fluent in:</b> JavaScript (node.js), Python, Java, Scala, Swift (iOS) <b>Experience with:</b> Haskell, C, C++, Objective C, HTML/CSS, R, ARM & x86 asm <b>Tools:</b> UNIX, Mesos/Marathon/DCOS (cluster tooling), Docker, biochem wet lab experience.	
<b>EXTRA</b>	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) Airplane Pilot (student) Quadcopter Engineer (hobbyist) Beekeeper	