

# Viraj Ojha Sinha

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

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

- Integrated WAMP-based communication into robot control system
- 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.