

Chetan Surpur

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I'm working in the fascinating field of AI, with the dream of building machines that surpass human-level intelligence.

Education

Aug 2008 – **University of California, Berkeley** Berkeley, CA
May 2012 *Major* – B.S. Electrical Engineering and Computer Science
Overall GPA – 3.3

Skills and Familiarity

Coursework Artificial Intelligence, Machine Learning (*Coursera*), Heterogeneous Parallel Programming (*Coursera*), Programming A Self-Driving Car (*Udacity*), General Game Playing (*Coursera*), Algorithms and Data Structures, Discrete Math and Probability Theory, Computer Security, Operating Systems, Databases

Languages C, Python, Objective-C + Cocoa, JavaScript, SQL, Java, Ruby, C++

Experience

Feb 2014 – **Numenta** Redwood City, CA
Present *Senior Software Engineer*

- Researching new aspects of the HTM theory
- Developing new prototype applications using the HTM Engine
- Contributing to the NuPIC open-source project

Jan 2013 – **HUMIN** San Francisco, CA
Feb 2014 *Member of Technical Staff*

- As first engineering hire, participated in designing and building much of the product to date
- Responsible for data ingestion and core search

May 2011 – **Apple Inc.** Cupertino, CA
Aug 2011 *Intern, System Applications for Mac OS X*

- Improved responsiveness and user experience of login screen in Mac OS X Lion
- Conceived, designed and prototyped a new feature for the next major OS

Nov 2009 – **ReversEntropy, LLC** Cupertino, CA
Feb 2012 *Founder and CEO*

- Designed, developed, and marketed Pollux, an automatic music tagging and organization software (*polluxapp.com*)
- Worked with two partners and two investors
- 45,000 free downloads and 7,000 purchases

Honors and Projects

Nov 2013 **Pilot – Project for Numenta's NuPIC Hackathon 2013** SF, CA
Trained AI using Numenta's Cortical Learning Algorithm (CLA) to fly a physical quadcopter

Dec 2009 **Pollux – One of Lifehacker Magazine's Ten Most Popular Free Mac Downloads of 2009** LA, CA
Awarded when Pollux was initially free software

Mar 2007 **AutoType – 2nd Place, Engineering Division, Synopsis Regional Engineering Competition** SF, CA
For developing and prototyping AutoType, a predictive, learning, word and phrase completion software

Jun 2006 **Monta Vista Robotics Team – Best Programmer for 2005-2006** Cupertino, CA
Developed autonomous targeting and tracking system for our robot for the FIRST Robotics Competition, 2006