

# Paras Jain

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Cupertino, CA | parasjain@parasjain.com | (408) 692-5294 | parasjain.com | jainlabs.com

## Experience

- Google – CAPE Student** 06/2012 to 07/2012  
Created energy monitoring tools based on utility GreenButton data with realtime alerts and intelligent behavior tracking, improved speech recognition capabilities of Virtual Buddy
- Goalbook –Development Intern** 04/2012 to 06/2012  
Created charts.js, an open-source visualization library for educational data  
[jainlabs.github.com/charts](http://jainlabs.github.com/charts)
- University of California, Santa Cruz - Astrophysics Research Intern** 03/2012 to 09/2012  
Researched *A Novel Method of Determining Empirical Calibrations Between Absorption Line Strengths and the Abundances of Magnesium, Calcium, and Iron for Red Giant Stars.*
- COSMOS - Cluster 7 Student** 03/2011 to 09/2011  
Researched *Correlation of Relative Star Formation Rates versus Rotational Velocity and Mass-Size Ratios of Spiral Galaxies in the DEEP2 and DEEP3 Astronomical Sky Surveys.*
- Google - Computing & Programming Experience (CAPE) Student** 06/2010 to 06/2011  
Developed Virtual Dashboard, a personal assistant for Android driven by voice commands, designed for disabled users. Based on technology from Virtual Buddy
- Virtual Buddy - Founder** 07/2006 to 05/2010  
Rule-Based adaptive AI chatbot platform across Web, Facebook (50,000 users), iOS, Android, WP7 and WebOS implemented in jQuery Mobile and HTML5/CSS3

## Education/Clubs

- Monta Vista High School** 2010 - 2014
- Monta Vista Biotech Club - Manager of Research** 06/2011 to 06/2012
- Monta Vista Research Club – President** 06/2011 to Present
- Monta Vista Music Production Club – Vice President** 07/2012 to Present

## Honors and Awards

### Press

- NBC Television, Macworld, Computerworld, USA Today, CNet, Cupertino Courier

### Computer Science Awards

- 3<sup>rd</sup> Place and International Finalist, AT&T Power Your Future, 2011, 3<sup>rd</sup>/500+ VC funded competitors
- USACO Silver Division
- 1st place, Website Design (FBLA California SLC), 2011
- 5th place internationally, Web Design (FBLA NLC), 2011
- 1st place, Best iPhone Application by NAVTEQ for Virtual Buddy (WIP 2011)
- 1st place, Best iPhone Application by AppMobi for Electrify! (WIP 2011)

### STEM Excellence Awards

- 2nd in California, CSSF Applied Mechanics and Materials, \$250 grant
- 1st Engineering at Synopsys Science Fair, 2013
- 2012 Siemens International Science Competition, Semifinalist – Top 300 out of 6,000+ projects
- Two time Grand Prize 1st Place Best of Fair at Synopsys ISEF division fair, Morgan Lewis, \$1000 Grant
- Two time Conrad Awards Semi-finalist
- 4 Time Consecutive Winner of Synopsys Science Fair
- Junior Science & Humanities Symposium Semifinalist, 2012
- Synopsys Science Fair Grand Prize – #1 out of 1,000+ projects
- Medal from US Army for Innovation in STEM

- **1st Place Best of Fair, US Army**
- AIAA Intelligent System Award 2013
- Best of Fair, Wireless Communications Alliance 2011
- Overall 2nd Place, Silicon Valley Science Fair
- Award from the Air Force, 2010
- Best of Fair by Cupertino City Council member Forrest Williams, 2009
- Award from Santa Clara Water Company, 2009
- Award from Professional and Technical Consultants Association, 2009
- Silicon Valley Representative at California Science Fair

## **Innovations**

- **Disaster Drones - Autonomous quadrotor system to quickly map outdoor disaster zones and create 3D maps of building interiors to save lives.**
- **SmartCheck™ - Innovative mobile payment platform, created novel multi-key encryption and automated AI system to detect fraud**
- **Parabolic water distiller/pasteurizer for third world countries, costs less than \$2 and kills 99%+ of waterborne pathogens**
- **SolaTherm - Thermophotovoltaic cell**
- **Open Source - GitHub projects, [github.com/parasjain](https://github.com/parasjain), [github.com/jainlabs](https://github.com/jainlabs)**