

# Kevin Chen

kchen2@caltech.edu | (818) 391-8365

<http://www.kevinbrianchen.com>

## EDUCATION

---

### California Institute of Technology, Pasadena, CA (2011-Present)

- GPA: 4.1 Major GPA: 4.1
- B.S. in Computer Science, expected June 2014

### Yale University, New Haven, CT (2010-2011)

- GPA: 3.9; Major GPA: 4.0

## EXPERIENCE

---

### Facebook: Offers, Software Engineering Intern (Summer 2013)

- Redesigned the offers dashboard (desktop and mobile). Implemented a summary email notification for offer creators. Worked on frontend development with PHP, CSS, and Javascript.

### Google: Photos Backend, Software Engineering Intern (Summer 2012)

- Implemented a system to improve the ordering of photos in G+ Events. This involved working in the Java backend to correct photos' timestamps using contextual information from events.

### Google Summer of Code: Astrometry.net, Student Developer (Summer 2011)

- Designed and implemented a new web interface and corresponding API for the Astrometry.net calibration service. The website was written in Python using Django (<http://nova.astrometry.net>).

### Indie Video Game Development (2004-present)

- CSPSP (<http://cspsp.appspot.com>): Developed a homebrew top-down shooter for the PlayStation Portable. Featured a multiplayer mode that let players from all over the world play against each other; had over 30,000 active players at its peak.

### UCLA Center for Embedded Networked Sensing (Summer 2009)

- Worked on a group research project involving programming for the Google Android platform. Developed an adaptive localization system that uses GPS and Wi-Fi data of multiple phones to estimate position.

## SKILLS

---

### Computer Languages

- Java (Sun Certified Programmer SE 6), C/C++, Python, 80x86 Assembly, PHP, HTML, CSS, JavaScript, CUDA

### Electrical Engineering

- Embedded systems (80C188), CMOS VLSI design (Magic), asynchronous VLSI (CHPSIM)

## ACTIVITIES

---

### Teaching Assistant, Caltech (2012-2013)

- CS 2 Introduction to Programming Methods, CS 38 Introduction to Algorithms

### ACM International Collegiate Programming Team, Member (2010-present)

- 2<sup>nd</sup> at the Southern California Regionals (2012), 7<sup>th</sup> at the Greater New York Regionals (2010)

### MATHCOUNTS Outreach, Coach, New Haven, CT (2010-2011)

- Taught middle school students interesting but fun math topics. Prepared them for the regional MATHCOUNTS competition.

### Science Olympiad, Member, North Hollywood, CA (2007-2010)

- 1<sup>st</sup> at Los Angeles County Regionals (2008, 2009, 2010), 2<sup>nd</sup> at Southern California State (2008, 2009, 2010)

## AWARDS

---

### Henry Ford II Scholar Award, Recipient, 2013

- Awarded to the engineering student with the best academic record at the end of the third year of undergraduate study.

### U.S. Physics Olympiad, Semifinalist, 2010

### North American Computational Linguistics Olympiad, Invitational's Qualifier, (2009, 2010)

### U.S.A. Computing Olympiad, Gold Division Competitor, 2010

### Caltech Signature Award, Recipient, 2009

## INTERESTS

---

- Model building, demoscene music, video games (Starcraft!), Korean BBQ