

Objective

Advance the state-of-the-art in computer vision by contributing to a focused research team where my expertise in professional software development can be utilized.

Technical Skills and Expertise

- Python (and Cython)
- C
- C++
- Matlab
- Java
- PHP
- JavaScript
- HTML
- SQL
- L^AT_EX
- Subversion, Git
- jQuery
- symfony
- Linux, Windows
- Apache HTTP Server

Awards and Honors

- National Science Foundation's Research Experience for Undergraduates Award 2009 – 2010
- Julian Feldman Endowed Scholarship in Information and Computer Science 2010
- Kenneth Simms Endowed Memorial Scholarship in Information and Computer Science 2009
- First Place, Undefeated in Robotics Competition at the San Francisco State University 2008
- Voting Board Member at the East Bay Learning Disabilities Association 2003 – 2008

Conference Publications

- **Carl Vondrick**, Deva Ramanan, Donald Patterson. "Efficiently Scaling Up Video Annotation with Crowdsourced Marketplaces" *European Conference on Computer Vision (ECCV)* Crete, Greece, September 2010.

Work Experience

- **University of California, Irvine**, Research Assistant 2009 – 2010
Engaged in active research in computer vision and machine learning. Focus on creating efficient methods to collect data from users in a scalable, affordable, and quality way through Amazon's Mechanical Turk. Working on novel approaches to video annotation that reduce cost but boost performance. Selected to receive funding from the National Science Foundation.
- **symfony project**, Core Developer 2008 – 2009
Core developer on the open source project to fix bugs and help in the design of the framework. Lead developer of a search engine platform plugin to provide an instant search functionality to any symfony application.
- **Sendmail, Inc**, Intern 2007 – 2008
Primary developer of the milter.org web-application as an interactive catalog to download mail filters for the renowned sendmail mail transfer agent. Emphasis on efficient modeling of complex relationships between filters and designing a intuitive user interface. Redesigned the sendmail.org open source portal to match branding and support new interactive utilities. Brought both projects from concept to launch.

- **Urban School of San Francisco**, Technical Support 2004 – 2008
 Selected to provide technical support to students, faculty, and staff. Provided interactive troubleshooting, both onsite and remote. Wrote frequently asked question answers that advocated proper computer handling.

- **CarlSoft.net**, Independent Contractor 2001 – 2010
 Designed and built dozens of complex web-applications for business, education, and non-profit use. Responsible for bringing projects from an early conceptual vision to a final product. Reputation for building highly-usable websites with semantic markup. Clients include law firms, sports leagues, education specialists, schools, and local organizations. Sample of clients include:
 - Wiegel & Fried, LLP
 - LDA California
 - East Bay LDA
 - Ability Resource Center
 - Oakland Girls Softball League
 - Piedmont Girls Softball League
 - Piemontesinoca
 - Early Literacy Wizard
 - ONite Park
 - Disabilities Models Research

Education

- **Computer Science, B.S., University of California, Irvine** 2008 – 2011
 Expected Graduation: Spring 2011
 Dean's Honor List: F08, W09, S09, F09, W10, S10
 3.989 / 4.000 Grade Point Average

References

- References and samples of work available upon request.