

Education

- University of Massachusetts Amherst** Amherst, MA
M.S. Computer Science (Computer Vision) Sep. 2013 - May 2015
- University of Massachusetts Amherst** Amherst, MA
B.S. Computer Science and Mathematical Computing Sep. 2009 - May 2013

Experience

- Pixel Forensics, Inc.** Boston, MA
Computer Vision Software Engineer Nov. 2015 - Present
- Video/image processing research and development in fields including object detection, classification, and recognition, and deep learning using C++, OpenCV, and Caffe.
- Fiksu, Inc.** Boston, MA
Software Engineer Sep. 2015 - Sep. 2015
- Member of the Ad-Platforms Team
- BostonBase, Inc.** Sharon, MA
Software Engineer and System Administrator Jul. 2007 - Aug. 2015
- Designed, implemented, and tested reliable custom client-server communication platform in restricted and variable network environments.
 - Built dynamic web applications using PHP, MySQL, JS/JQuery, Smarty templates and HTML/CSS.
 - Deployed and managed Linux servers using Apache, MySQL, PHP, Python, Bash, and SSH.
- College of Information and Computer Sciences, University of Massachusetts Amherst** Amherst, MA
Graduate Teaching Assistant and Research Assistant Sep. 2013 - May 2015
- Research assistant in the Computer Vision and Graphics lab, with a focus on Fisher vector facial recognition and unsupervised 3D head pose estimation.
 - Teaching assistant for the graduate course Applied Information Theory (CS 650) and undergraduate courses Computer Vision (CS 370) and Data Structures (CS 187).
- Office of Information Technology, University of Massachusetts Amherst** Amherst, MA
System Administrator and Developer Nov. 2009 - May 2013
- Maintained servers and automated tools for backup management and USB drive synchronization

Skills

- Proficient with MATLAB, Java, Python, PHP, Bash, HTML, familiar with C/C++, OpenCV, SQL, JS/JQuery, Node.js, Backbone.js
- Proficient with Unix/Linux Apache/MySQL/PHP (LAMP) servers, familiar with Nginx
- Fluent in Hebrew

Honors & Publications

RisQ: Recognizing Smoking Gestures with Inertial Sensors on a Wristband
Abhinav Parate, Meng-Chieh Chiu, Chaniel Chadowitz, Deepak Ganesan, Evangelos Kalogerakis
Proceedings of the ACM MobiSys 2014

The Bay State Fellowship University of Massachusetts Amherst, May 2013
Tuition-free assistantship awarded to students who complete the Computer Science BS degree with an overall GPA of at least 3.60. Students must also have demonstrated mastery of a graduate-level mathematically intensive course.