

# Chaniel Chadowitz

<https://chenichadowitz.github.io/>

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## 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, OCR, and deep learning using C++, OpenCV, dlib, Caffe, and Tensorflow.

### 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.*