

## EDUCATION

### Rochester Institute of Technology

B.S. Computer Science 2010

Minor: Applied Mathematics

## SUMMARY

Specializing in advanced computer vision topics such as facial recognition and full-body motion-tracking. Seeking work in the Boston area with exciting research and applications.

## SKILLS

**LANGUAGES:** C++, HTML, Java, JavaScript, Python, Ruby

**PLATFORMS:** Android, Django, jQuery, Matlab, OpenCV

## EMPLOYMENT

### CORESPACE SCIENCES

Software Engineer

Boston, MA

Jun 2012 to Current

- Designed and implemented new version of Corespace's full-body motion-tracking software.
- Work resulted in a 25% increase in accuracy and 15% increase in speed over the existing version.

### EMOTIONAL.LY

Computer Vision Engineer

New York, NY

Jun 2010 to Apr 2012

- Specialized in applying emotion recognition and classification algorithms to video frames towards Emotional.ly's new video-based emotion-recognition product.
- Assisted with modeling and converting data into formats for input into neural networks.

Software Engineer Intern

Jun 2009 to Aug 2009

- Expanded Emotional.ly's emotion recognition algorithms to support six additional emotion classifications.
- Compressed data storage modal resulting in a 25% size reduction without data loss.

### CODE:ALL FOUNDATION

Python Course Planner

Remote

May 2008 to Dec 2008

- Created three 10-lesson interactive courses for teaching Python and data structures to middle and high school students through Code:all's website.
- Taught several live workshops for Code:all students.

## PROJECTS

### INTERSECT IMAGE SORTER

- Developed an web-based automatic image categorizer and sorter based on various image properties.
- Applied basic computer vision techniques for sorting.
- Created web stack using Django.

### DATHAT ANDROID APP

- Co-wrote an Android app enabling users to sending pictures of themselves wearing various cartoon hats.
- Specialized in applying facial recognition techniques to automatically place hats properly in the images.
- Won 1st place in school club Android hackathon.