

# SAM TARAKAJIAN

<http://www.otherbirds.com/>

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(201) 874-1307

## EDUCATION

### ScB Computer Science

*Brown University*, Providence, RI

May 2010

## CAREER HISTORY

### Mobile Software Engineer, *Cycling '74*

July 2011 - Present

- Wrote Mira app for iPad, a Zeroconf controller for Max/MSP. <http://www.cycling74.com/products/mira>. \$83,000 in sales to date.
- Currently designing new search and help system for Max 7.

### Software Engineer, *Anybots, Inc.*

December 2010 - July 2011

- Built a web plugin that allowed users to drive a telepresence robot from a browser.
- Implemented live video and audio streaming, as well as basic telephony like compression and echo cancellation.

### Core Audio Engineer, *Apple, Inc.*

September 2010 - December 2010

- Redesigning and improving Audio Unit interfaces, the building blocks of GarageBand, Logic and the Core Audio framework.

## SELECTED PUBLICATIONS

Sam Tarakajian, David Zicarelli, Joshua Kit Clayton “**Mira: Liveness in iPad Controllers for Max/MSP**,” in *Proceedings of New Interfaces for Musical Expression*. 2013.

Sam Tarakajian “**How to Touch a Patch**,” in *Proceedings of Code Control*. 2013.

Sam Tarakajian “**Build Your Own Instrument**,” in *Dazed Digital*. 2013.

Sam Tarakajian “**Gelie - Investigations In Expression Through Mapping**,” in *Proceedings of International Computer Music Conference*. 2010.

## SKILLS

**Programming:** Most proficient in C and Objective-C. Familiar with MATLAB, CSS/HTML, Javascript, Python, Java

## TEACHING EXPERIENCE

***Delicious Max/MSP Tutorials*** Technical tutorials on working with multimedia in Max/MSP. 3400 subscribers, 330,000 views. <https://www.youtube.com/playlist?list=PLD45EDA6F67827497>.

***Jerusalem Academy of Music and Dance*** Workshops, classes and private lessons on Max/MSP, under Amnon Wolman

***Programming Max and Arduino*** Workshop at the Hybrid Lab, California College for the Arts, under Andrew Maxwell-Parish. <https://github.com/starakaj/workshops>

## PERFORMANCES

***A Dot in Space — Multichannel Performance*** Co-composed piece for viola and live electronics. Exhibited at the Mondavi Center, UC Davis. <http://www.alexvangils.com/html/listen.php>.

***Sand Defacing All Surfaces*** Promotional music video for artist Derek Piotr. <http://vimeo.com/58804313>

## REFERENCES

*Dr. Amnon Wolman* Professor at Jerusalem Academy of Music and Dance — [amnon.wolman@gmail.com](mailto:amnon.wolman@gmail.com)

*Andrew Maxwell-Parish* Associate Professor — [amaxwellparish@cca.edu](mailto:amaxwellparish@cca.edu)

*Dr. Laurie Heller* Associate Professor — (412) 268-5256 [laurieheller@cmu.edu](mailto:laurieheller@cmu.edu)