

# ATAKAN GUNAL

atakangunal.com

## EDUCATION

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|---|---------------------|
| <b>University of California, Santa Barbara</b><br>Master of Science, Media Arts and Technology                          | Sep 2015 - Present  |
| <b>Koç University, Istanbul</b><br>Bachelor of Science, Computer Engineering GPA: 3.24/4.0                              | Sep 2006 - Jun 2014 |
| <b>Simon Fraser University, Vancouver B.C.</b><br>Formal Exchange Program   | Jan 2009 - Jun 2009 |
| Extended Minor in Music (coursework)  | Sep 2009 - Dec 2012 |
| <b>University of California, Los Angeles</b><br>Summer Sessions, computer science and cognitive psychology GPA: 4.0/4.0 | Summer 2009         |
| <b>Kabataş Erkek Lisesi (High School)</b><br>Science and Mathematics GPA: 3.98/5.0                                      | Sep 2003 - Jun 2006 |

## WORK EXPERIENCE

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| <b>SESTEK Speech Enabled Software Technologies, Istanbul</b><br>Software Developer in Core Technologies R & D Department  | Sep 2013 - Aug 2015 |
| <ul style="list-style-type: none"> <li>Developed and maintained an Android app for a social media analysis product</li> <li>Written a simple HTTP GET server library using Boost.Asio</li> <li>Integrated Kaldi speech recognition engine to SESTEK SR libraries</li> <li>Updated and maintained a C++ library for SRGS to FSG translation using JavaScript</li> <li>Written SRGS grammars for various speech recognition projects</li> <li>Developed Android clients for various products using JNI and kSOAP</li> <li>Written Java wrappers for various C++ libraries using JNI</li> <li>Developed an Android app for collecting audio recordings and uploading them to a server via a WCF web service</li> </ul> |                     |
| <b>SOFTTECH, Istanbul</b><br>Software Developer Intern in Mobile Technologies Department  | Jul 2013            |
| <ul style="list-style-type: none"> <li>Did research and development for developing an acoustic NFC system.</li> </ul>   |                     |
| <b>SESTEK Speech Enabled Software Technologies, Istanbul</b><br>Software Developer Intern in Core Technologies R & D Department   | Jun 2013            |
| <ul style="list-style-type: none"> <li>Suggested and implemented a solution for storing large amounts of musical data</li> <li>Use of industry standard MusicXML format and fast integration cut the estimated project development time by 20%</li> <li>Written the MusicXML parser code and a Java wrapper for the C++ project library</li> </ul>  |                     |
| <b>MAG Innovative, Istanbul</b><br>Freelance iOS Developer  | 2009                |
| <ul style="list-style-type: none"> <li>Developed the iOS application later published under the name "Piyano"</li> </ul>   |                     |
| <b>SFS ICT Consultancy, Istanbul</b><br>Software Developer Intern in Research and Development Department  | Aug 2009 - Sep 2009 |
| <ul style="list-style-type: none"> <li>Analyzed and implemented a business process for the workflow management system</li> </ul>  |                     |

## SKILLS

### Computer:

In-depth experience and training in

- Concepts: OOP, design patterns, multi-threading, MVC, agile, audio processing
- Programming Languages: C/C++, Java, MATLAB, HTML5
- Libraries, SDKs: Android SDK/NDK, JNI, Boost
- IDE: Visual Studio, Eclipse
- Computer Music Languages: Max/MSP
- Audio Software: Pro Tools, Logic, Audacity, Peak
- Operating Systems: Mac OS X, Windows, Linux (Fedora, Ubuntu)
- Other Software: Microsoft Office (Word, Excel, Power Point, Visio)

Exposure, familiarity, past experience in

- Programming Languages: C#, Python, Objective-C, JavaScript, PHP, Lisp, LaTeX
- Libraries, SDKs, Protocols: iOS SDK, OpenGL, Juce, libpd, IT++, TCP/IP, HTTP, MRCP, WCF, SOAP
- IDE: XCode, Processing
- Database Management Systems: MySQL, Oracle
- Computer Music Languages: Pure Data
- Audio Software: Ableton Live, Synthesis Toolkit
- Other Software: Adobe Premiere, Acrobat

**Audiovisual:** Experience with studio and PA equipment, techniques due to studies at the Sonic Research Studio at Simon Fraser University and various performance/installation setups.

**Languages:** Turkish (native), English (fluent), Spanish (beginner)

**Social Skills:** Ability to adapt to international environments and different cultures and to communicate easily with people from different backgrounds due to education, exchange programs and travels in different countries.

## HONORS AND ACHIEVEMENTS

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| Koç University, Computer Engineering Dean's Honor List                               | 2014        |
| Golden Key International Honour Society, SFU Chapter Membership,                     | 2009 - 2012 |
| Associated Board of Royal Schools of Music Certificate: Grade 5 Guitar               | 2007        |
| Associated Board of Royal Schools of Music Certificate: Grade 5 Theory (Distinction) | 2008        |
| Instituto Cervantes, A2 level Spanish Certificate                                    | 2008        |
| Koç University Entrance Scholarship  | 2006        |
| • Half of the tuition costs throughout the Bachelor's Degree studies                 |             |

## ACTIVITIES

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| Member of Rotary International Club, Istanbul - Fulya Turkuaz      | 2015 - Present |
| Volunteer for the SFU campus radio station CJSF                    | 2009 - 2012    |
| • Prepared reviews for the Arts and Entertainment Department       |                |
| • Conducted trainings in recording techniques and equipment        |                |
| Various new media and computer music performances / installations  | 2009 - 2012    |
| Founding member of the Koç University Environment Club (Genç TEMA) | 2008           |
| Rotary Club Youth Exchange Program, Slovakia Summer Camp           | 2007           |
| Part Time Music Program, Istanbul University State Conservatory    | 2003 - 2005    |
| Over 8 years of music and classical guitar training                |                |
| Recreational tennis player   |                |