

# Mehmet Ali Akmanalp

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## CONTACT INFORMATION

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## EDUCATION

**Worcester Polytechnic Institute**, Worcester, MA, USA

- 2007 - Present  
BSc Computer Science  
Expected Graduation Date: May 2011

**Eyuboglu High School**, Istanbul, Turkey

- 2003 - 2007  
International Baccalaureate Diploma  
Turkish National Diploma

## RELEVANT COURSEWORK

- Software Engineering
- Software Security
- Programming Language Design
- Object Oriented Analysis and Design
- Algorithms
- Systems Programming
- Operating Systems
- Distributed Systems
- Computer Networks
- Database Systems
- Artificial Intelligence
- Introduction to Robotics
- Assembly Language and Computer Org.
- Foundations of CS (Automata Theory)
- Computer Graphics

## SKILLS

- Knowledgeable in Python, PHP, Java, Scheme, C++, C, ECMAScript, C#; familiar with many others.
- Experienced in database schema design on multiple platforms including MySQL, MSSQL, sqlite and PostgreSQL.
- Well versed in the intricacies of client side and server side web programming, including XML-HTTP (a.k.a. AJAX), Web Services, building standards compliant interfaces using HTML and CSS.
- Skilled in designing Qt GUIs with Qt Designer and implementing them in PyQt and in C++.
- Adept in developing on, using and maintaining multiple platforms; mainly Windows and Linux among others (such as BSD).
- Knowledgeable in a range of programming concepts such as object oriented design, multithreading, analysis and optimization of algorithms, caching, recursiveness, functional programming and many others.
- Takes pride in writing clean, well documented, reusable code that lives up to standards.
- Familiar with version control software such as SVN and Git.
- Experienced in working within a software development team.
- Great communication skills and knowledge of the English language.

## PROFESSIONAL EXPERIENCE

**Dyn Inc.**

*Software Developer*

**May 2010 – Present**

Working on cool new stuff. To be updated.

**ArtIstanbul PR, mappiness.com**

*Consultant*

**December 2009 – January, 2009**

Assisted the design and implementation a web application which aims to display social data relating to happiness on a map in a meaningful way. Worked with the Google Maps API. Investigated algorithms and wrote software in Python to generate choropleth and heatmap overlays for a large amount of data points efficiently.

## WPI Department of Computer Science

*Senior Assistant, Software Security*

**October 2009 – December, 2009**

Graded assignments / projects and held office hours to answer questions and explain concepts for Software Security.

## Google Summer of Code, Pardus Linux, KDE e.V.

*Developer*

**May 2009 – August, 2009**

Got accepted to the Google Summer of Code program to Pardus Linux, but worked on KDE, since KDE is a crucial part of Pardus. Created and implemented an easy to use animation API that used Qt Kinetic for libplasma, in the KDE core. The aim was to enable developers to add commonly used animations to their software in one or two lines of code. The code was included in the next release.

## National Research Institute of Electronics and Cryptology, Kocaeli, Turkey

*Developer*

**June, 2008 – July, 2008**

Implemented fingerprint authentication support to Pardus Linux. In charge of researching state of fingerprint scanning libraries in linux, picking out a suitable one that would support the most devices and be the least problematic and coding a TASMA GUI in Python / DBus / QT which would read / write the fingerprint for the current user securely using the COMAR configuration manager backend.

### AWARDS & HONORS

- 3rd in graduating class International Baccalaureate students, 5th in full class
- WPI International Scholarship
- WPI Dean's list

### LANGUAGES

- Turkish: Native Speaker
- English: Proficient
- French: Intermediate

### ACTIVITIES

Competing in the WPI Sailing Team, September 2007 - Present, Member of the International Student Council, August 2007- Present, Member of the Game Development Club, August 2007 - Present, Officer of the Outing Club, January 2008 - Present

### PERSONAL

Detail oriented, outside-the-box thinker. Pragmatic. Multitasking. Quick adapter. Comfortable in dealing with people from different backgrounds.