

# MEHMET E. UCAL

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## **OBJECTIVE**

To obtain a summer position in electrical engineering with an emphasis on communication systems and signal processing.

## **EDUCATION**

**University of Southern California**, Los Angeles, CA  
Doctor of Philosophy in Electrical Engineering, *In Progress*  
GPA: 4.00 on a 4.0 scale

**University of Maryland**, College Park, MD  
Bachelor of Science in Electrical Engineering, *May 2006*  
Graduated Magna Cum Laude with a GPA of 3.921 on a 4.0 scale

## **SKILLS**

Experienced in C, C++ Programming, Matlab, Pspice, Pro/Engineer and LabView  
Familiar with Microsoft Word, Excel, PowerPoint, Access, and Visio  
Fluent in English and Turkish, Intermediate in French

## **EXPERIENCE**

**Northrop Grumman Corporation Electronic Systems**, Baltimore, MD  
*Coop/Intern*, Fall 2005 and Summer 2006

- Worked full time as a systems engineer in the Electronic Systems department.
- Performed electrical characterization and impedance tests.
- Conducted chip testing, failure analysis and prepared reports for these tests.
- Created and managed databases for various microelectronic devices.

**Department of Electrical and Computer Engineering**, University of Maryland  
*Participant in MERIT Program*, Summer 2005

- Conducted research on the issue of searching on encrypted data with Dr. M. Wu.
- Developed an interface enabling users to securely search on encrypted data with a relatively small storage overhead.

**Columbia Telecommunications Corporation**, Columbia, MD  
*Part-time Intern*, December 2004 to May 2005

- Participated in the Wi-Fi Network Analysis and Planning Project of Prince William County, VA.
- Attended meetings with Prince William County officials and conducted on-site wireless network analysis.

**Institute for Systems Research**, University of Maryland  
*Participant in REU Program*, Summer 2004

- Conducted research on the security of wireless networks using IEEE 802.11b standard with Dr. S. Ulukus.
- Successfully simulated various attacks against wireless networks using softwares called Airtort and WEPCrack.

## **HONORS**

- Awarded Viterbi School of Engineering Doctoral Fellowship by the Department of Electrical Engineering at University of Southern California, beginning Fall 2006.
- Appeared eight times in the University of Maryland's School of Engineering Dean's List in eight semesters.

## **ACTIVITIES**

**The Honor Society of Phi Kappa Phi**  
*Member*, 2006 to present

**Golden Key International Honor Society**  
*Member*, 2004 to present

**The National Society of Collegiate Scholars**  
*Member*, 2003 to present

**Institute of Electrical and Electronics Engineers (IEEE)**  
*Student Member*, 2003 to present

**Phi Sigma Theta National Honor Society**  
*Member*, 2002 to present

**University of Maryland Tennis Team**  
*Member*, 2002