

ARDEN DERTAT

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EDUCATION

- Brown University** **Providence, RI**
MS in Computer Science *2010 - 2012*
 - **GPA:** 3.7/4.0
 - **Specialization:** Information Retrieval, Machine Learning
- Massachusetts Institute of Technology** **Cambridge, MA**
Visiting Student at EECS *September 2011 - December 2011*
 - **GPA:** 5.0/5.0
 - **Course:** Artificial Intelligence at CSAIL (Computer Science and Artificial Intelligence Laboratory)
- Bogazici University** **Istanbul, Turkey**
BS in Computer Science *2006 - 2010*
 - **Honors:** Dean's Honor List
 - **Specialization:** Computer Networks, Distributed Systems

WORK EXPERIENCE

- Microsoft** **Redmond, WA**
Bing AdCenter Internship *May 2011 - August 2011*
 - Worked jointly with Index Generation and Ranking teams to improve ad relevance.
 - Added a new stream to the main index using machine learning techniques.
- Vodafone** **Istanbul, Turkey**
Core Network Planning Internship *June 2009 - September 2009*
 - Developed and implemented website to monitor the live traffic of Core Network.
 - Modeled and documented the data traffic flow within the Core Network.
- Grid Telecom** **Istanbul, Turkey**
Networks Internship *January 2009 - February 2009*
 - Provided internet hosting services (dedicated hosting, colocation, web hosting etc.) to clients.
 - Gained networking experience at a medium scale Internet Service Provider data center.
- Alcatel-Lucent** **Istanbul, Turkey**
Internet Protocol Division Internship *June 2008 - September 2008*
 - Designed and implemented a scalable IP network.
 - Practiced TCP/IP concepts (OSI Model, routing, switching, routing protocols, etc.) thoroughly.

ACADEMIC EXPERIENCE

- Department of Computer Science, Brown University** **Providence, RI**
Search Engine for Wikipedia Project *January 2011 - June 2011*
 - Developed a search engine that crawls, indexes, and answers search queries on Wikipedia articles.
 - Implemented vector space model, tf-idf and PageRank to achieve better query relevance to documents.
 - Integrated machine learning techniques such as document classification and clustering to improve ranking.
- Department of Computer Science, Brown University** **Providence, RI**
Robot Soccer Project *September 2010 - December 2010*
 - Developed algorithms in Python for autonomous robots to play soccer.
 - Performed path planning, localization, object seeking, and goal scoring tasks on robots.

SKILLS

- **Programming Languages:** C(5 years), C++(5 years), Python(2 years)
- **Certificates:** Cisco CCNA (Cisco Certified Network Associate) Certificate
- **Languages:** Turkish (native), Armenian (native), English (fluent), Spanish (competent)