ARDEN DERTAT

ardendertat@gmail.com • 401-588-0050 • http://ardendertat.com
38 Keene Street • Providence RI 02906

EDUCATION

Brown University   **Providence, RI**
    MS in Computer Science   *2010 - 2012*
- **GPA:** 3.7
- **Specialization:** Information Retrieval, Machine Learning

Massachusetts Institute of Technology   **Cambridge, MA**
    Visiting Student at EECS   *September 2011 - December 2011*
- **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)