Ali ELABRIDI

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OBJECTIVE

Obtain a research internship in the Computer Science field using my relevant experience, technical expertise, and problem solving skills.

EDUCATION

Al Akhawayn University, Ifrane, Morocco
Bachelor of Science in Computer Science – <u>Honor Student</u>, Expected Fall 2017   CGPA: 3.93/4.0
Minor: Business Administration and Mathematics.

Harvey Mudd College, Claremont, CA, United States of America
(Top Ranked in Computer Science) Exchange Student, Spring 2016

Claremont Mckenna College, Claremont, CA, United States of America
Exchange Student, Spring 2016

Selected Course Work: Data Structures & Advanced Programming, Object Oriented Programming in Java, Database Systems-H *(Enrolled as an Honor Student)*, Algorithms Analysis-H *(Enrolled as an Honor Student)*, Artificial Intelligence, Applied Research *(Independent Research in Computer Science)*, Computer Architecture, Software Development *(Harvey Mudd College)*, Programming Languages *(Harvey Mudd College)*, Number Theory and Cryptography *(Claremont Mckenna College)*, Operating Systems, Competitive Programming, and Human Computer Interaction *(Graduate Class)*.

PROGRAMMING SKILLS

Most experience:	C/C++, Java, Haskell, PHP, Javascript, SQL, Android Development, Charm++, Git, Control Version, Shell, Linux System Administration, and HTML/CSS.
Some experience:	R Language, Python, OpenMP, SVN, Tensorflow, Docker, and AngularJS.
Familiar with:	Cilk++, Go Language, D Language, Prolog, MongoDB, and Ruby.

EXPERIENCE

Center for Learning Excellence – Al Akhawayn University
Computer Science Tutor (September 2014 – Present)
- Tutor and grader of CSC1401-Introduction to Computer Programming in C Language for 3 semesters (Fall 2014, Spring 2015, Fall 2016).

School of Science & Engineering – Al Akhawayn University
Teaching Assistant (Summer 2015)
- Teacher Assistant (lecturing, grading, and proctoring) for CSC2302-Data Structures & Advanced Programming.

Al Akhawayn University, Ifrane, Morocco
Research Assistant (March 2015 - Present)
- Code analysis of Data structures students.
- Designed & developed a C language parser in Java.
- Developed a data structures visualization software (DSV) of C language.
- Performance Analysis of the DSV software on the coding performance of Data Structures students.

Microsoft Morocco, Casablanca, Morocco
Microsoft Student partner (February 2015 - December 2015)
- Promoting Microsoft products on campus and organizing workshops.

Kezakoo.com, Casablanca, Morocco
Web Developer Intern (Summer 2014)
- Back-end web development in PHP and MySQL.
- Enhanced Product Design and User Experience of Kezakoo V2.
- Developed an automated video uploader platform for verified professors.

PROJECTS

ScantoSign.com (Co-founder, 2016): Developed an Android application and Web application for signup sheet registration using QR-codes and Google Spreadsheet API. The application is used by all students at Al Akhawayn University Student Office for club fair events. (http://scantosign.com)

MathFunFacts Android App (Developer, 2016): Developed the application as part of the software development course at Harvey Mudd College for the president of the prestigious Mathematical Association of America. The App has 300+ Math Fun Facts, and is used by 100+ users on Android. (https://play.google.com/store/apps/details?id=com.mathyawp.mathfunfacts)

Get2mail.fr (founder, 2010): Get2mail.fr is a generator of disposable emails to protect your main address email from spams. I developed it when I was 15 years old, and it has reached more than 1,750,000 temporary emails generated since its creation. It has also been part of the Golden Triangle in Google search results for the following keywords in French: "email jetable" and "email temporaire." (http://get2mail.fr)

De.ma (founder, 2008): De.ma is an URL shortener for websites. I developed it when I was 13 years old. Widely popular in 2008, it has reached 300,000 website URLs shortened. It has also been part of the Golden Triangle for "nom de domaine gratuit" and "sous domaine gratuit." Sold in 2010 (disclosed amount).

ACADEMIC PAPERS

Analysis of Strassen Algorithm parallelization using Charm++ (Fall, 2016): Applied research project under the supervision of Dr. Naeem Nisar Sheikh on the performance of the parallel Strassen Algorithm for Matrix Multiplication using Charm++ paradigm of migratable objects developed by the Parallel Programming Laboratory of the University of Illinois Urbana Champaign (Paper Link: http://bit.ly/2ijAHdf).

Analysis of the performance of NoSQL engines compared to SQL (Summer, 2016): Under the supervision of Pr. Yousra Chtouki, and as part of the honor research component of the Database System for honors class, the paper highlights the performance differences of some NoSQL engines (Redis, Cassandra, MongoDB) with traditional SQL (Paper Link: http://bit.ly/2iRgIUe).

HONORS
- Al Akhawayn University Full Tuition Merit Based Scholarship (Fall 2013 – Present).
- Pitzer Access Scholarship to join Harvey Mudd & Claremont McKenna College (≈$40,000), Spring 2016.
- President List Nominations at Al Akhawayn University (Spring 2014, Fall 2014, Spring 2015, Fall 2015 and Fall 2016)
- 2nd prize of the CANYOUWEB competition, 2013
- Part of the University Honor Program at Al Akhawayn University

LANGUAGES
- French (Native or bilingual proficiency)
- Arabic (Native or bilingual proficiency)
- English (Full professional proficiency)