

Yousif A. Aldolaijan

Mechanical Engineering / Computer Science

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Education

University of Southern California (USC)

2015 - Present

Currently a Freshman studying Mechanical Engineering in the Viterbi School of Engineering.

University of Pennsylvania - Foundation Year Program

2014 - 2015

A college preparatory program that offers non-accredited courses in Calculus I, Physics with Lab, C++ Programming, Research Paper Writing and an Online MITx Python Programming course.

Experience

University of Pennsylvania Hackathon (Penn Apps X)

September 2014

- Developed an Android application during a 48 hour competition using tools provided by sponsoring companies.
- Worked in a team of 4 members from different cultural and academic backgrounds.

Saudi Research Science Institute (SRSI)

Summer 2013

- Conducted computer science research during a six-week summer program under the supervision of Dr. Hany Ramadan the title of which is Designing and Implementing a Secure File System.
- Worked on Linux Programming and Filesystem in Userspace (FUSE) to implement the file system.
- Implemented the Advanced Encryption Standard (AES) to provide the security for the file system.

Exploration and Development Geotechnology and Services (EDGS)

2010 - 2015

- Provided consultation and management to all the technological systems within EDGS.

Extracurricular Activities

Association for Computer Machinery (ACM), USC Chapter

Present

- Participant in events organized by the Association.

USC Racing | USC's Formula SAE Team

Present

- Member and participant in building and developing a Racing Car.

Makers of Entertaining Games Association (MEGA)

Present

- Participant in multiple Game Development Workshops.

University of Pennsylvania Code Guild

Jan - May 2015

- Attended the coaching and collaboration events lead by the Guild's founding members.

University of Pennsylvania Computer Science Organization (Dining Philosophers)

2014 - 2015

- Participated in computer science seminars, competitions and discussions.

Achievements and Awards

• Recipient - KAUST Gifted Student Program (KGSP) Scholarship

May 2014

KGSP is a unique scholarship awarded by the King Abdullah University of Science and Technology (KAUST) to the highest achieving students within the Kingdom of Saudi Arabia so that they can pursue an undergraduate degree within the United States and then follow up with their graduate degree through the KAUST faculty and facilities.

Skills

- **Programming:** C, C++, Python, HTML/CSS, JavaScript, Java, Android, Node
- **Computer:** Word, Powerpoint, Excel, Google Drive, Latex, Unix/Linux, Git
- **Language:** Native Arabic, Advanced English