

# Waleed M. Alhayaza

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## EDUCATION

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### Bachelor of Science in Mechanical Engineering

August 2013- December 2017

*The Pennsylvania State University, University Park, PA*

- GPA: 3.63
- Relevant Coursework: *Statics & Strength of Materials, Heat Transfer, Solid Mechanics, Electricity & Magnetism, Engineering Thermodynamics.*
- *Dean's list: Spring 2016, Spring 2015, Fall 2014, Summer 2014, Spring 2014.*

### Engineering Leadership Development Minor

August 2013- December 2017

*The Pennsylvania State University, University Park, PA*

- Minor GPA: 3.94
- Relevant Coursework: Leadership Principles, Technology-Based Entrepreneurship, and Leadership in Organizations.

### Certificate of Completion – Foundation Year Program

September 2012 - May 2013

*The University of Kansas, Lawrence, KS*

- Customized college preparatory program, designed to bridge the gap between high school and college, focusing on ESL coursework, standardized test prep, university applications, and college-level classes.

## EXPERIENCE

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### Research intern.

Professor Gilles Lubineau's lab at KAUST, Thuwal, Saudi Arabia.

July - August 2016

- To study the potential of micro CT scan and to Develop a nondestructive method for determining age at death of adults using their teeth.

### Engineering Leadership Development:

Aug. 2013- Dec 2017

### International Enterprise and Development.

- Worked throughout the semester in cross-cultural teams from Hungary and Saudi Arabia to complete enterprise solutions for the developing world.
- Evaluated and assessed personal and team intercultural engineering project collaboration skills.

### Service Activities:

- Member of SASA-THON Committee at Penn State (a year-long effort to raise funds and awareness to fight against pediatric cancer).

August 2014 - May 2015

### Lab Experience

July- August 2015

- Quanta 600 F, SEM (The Scanning Electron Machine).
- Skyscan 1172 (High Resolution Desktop Micro CT).
- Nikon XT H 225 (X-ray and Micro CT).
- CTvox, DataViewer, CTAn softwares.
- Discovery V20 microscope, Leica DM 2500 M microscope.

## AWARDS & ACHIEVEMENTS

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### Grand Challenge Scholar Recognition:

September 2017

*The Pennsylvania State University, University Park, PA*

- Certificate of achievement signed and presented by Anthony Atchley, senior associate dean in the College of Engineering. The Grand Challenge Scholar Program was initiated in response to a call for US to lead efforts in addressing the 21st century grand challenges. The grand challenges are identified by the White House, the United Nations and the National Academy of Engineering. The certificate recognize the Grand Challenge Scholar for academic preparation to address grand challenges facing society through an interdisciplinary curriculum that includes a hands on project or research experience, entrepreneurial experience, and service learning with a global dimension.

### *The Custodian of The Two Holy Mosques scholarship program:*

Jan 2013- Dec 2017

- I received The Custodian of The Two Holy Mosques scholarship program to study my bachelor degree in Mechanical Engineering at The Pennsylvania State University. SACM implements their students educational and training polices to to provide our country with qualified young Saudis to serve and implement The Saudi vision 2030.

### *Saudi Arabian Cultural Mission Excellence awards:*

- I received four excellence awards and five dean's list awards from SACM.

### *KAUST Gifted Student Scholarship Program:*

- I was awarded and honored with KAUST scholarship after achieving a total of 100% in Tahsili (in the Qiyas subject test), and a total of 95% in in the Qiyas standardized test Qudurat.

July 2012

### *The Governor award:*

- This award was for the best student achievement in the year and was it was delivered by his Royal Highness The Prince of Aseer Region.

Sep 2011, and Sep2012

### *Saudi Arabian Ministry of Education Gifted Student Program:*

- This special enrichment program is for top secondary students across Saudi Arabia. The program provided the students with:
  - Mawhiba National Enrichment Programs in math.

Oct. 2010 - June 2012

### *Scholarship from Almanarat:*

- I received a full scholarship from Almanarat private school towards my studying expenses at the school.

Sep 2011 - June 2012

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## SKILLS

### *Softwares:*

- Solidworks
- iWork for Mac OS & IOS
- Microsoft Office

### *Languages:*

- Arabic: Native speaker and writer.
- English: Fluent speaker and writer.