

Abdulaziz Alzaben

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Education

King Abdullah University of Science and Technology, *Thuwal, Makkah Province*

Applied Mathematics and Computational Science, Computational Science and Engineering

2017 - 2019, GPA: 3.5

University of Washington, *Seattle, WA*

Applied and Computational Mathematical Sciences, Scientific Computing and Numerical Analysis

2014-2017, GPA: 3.7

University of Kansas, *Lawrence, KS*

KAUST Gifted Student Program Preparatory Year, 2012-2013

Experience

- Investigated the possibility of the existence of a 9th planet Summer 2016
Studied "Evidence for a Distant Giant Planet in the Solar System" by Konstantin Batygin and Michael E. Brown. Used Mercury6 package to simulate the Solar System's evolution through time
- Tested developing games with Game-Themed API, *Bothell, WA* Summer 2014
Read and studied three different game APIs and developed reports regarding each one. Utilized APIs given to create games
- MAA MathFest, *Portland, OR* August 2014
Attended lectures regarding research and education
- King Fahd University: Operation Research, *Dhahran, Saudi Arabia* Summer 2011
Developed algorithms to solve Sudoku problems
Developed algorithms to find shortest paths on maps
- Saudi Team for International Physics Olympics, *Riyadh, Saudi Arabia* September 2010
- Saudi Aramco: Future City Planning, *Dhahran, Saudi Arabia* Summer 2010
- Toastmasters International Youth Leadership Program, *Dhahran, Saudi Arabia* Summer 2010
- Taibah University: Science & Environment, *Medina, Saudi Arabia* Summer 2009

Awards & Achievements

King Abdullah University of Science and Technology, *Thuwal, Saudi Arabia*

Gifted Student Scholarship, undergraduate and masters

Dean's List

Autumn 2013, Winter 2014, Autumn 2015, Winter 2016, Spring 2016, Winter 2017

Skills

Programs: Microsoft Office

Languages: Arabic (Native), English (Fluent)

Programming Languages: MATLAB, Python, Java, HTML, C++, Mathematica

Other: Quick learning, problem solving, able to work in unfamiliar environments