

# Nouf Alamri

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## EDUCATION

- Boston University College of Engineering** —Boston, MA MAY 2020
- Bachelor of Science in Electrical Engineering.
  - *Current cumulative GPA: 3.34/4.*
- Virginia Tech Polytechnic Institute and State University** —Blacksburg, VA 2015 - 2016
- A post high school, customized U.S. college preparatory program focusing on ESL coursework, standardized test prep, and college-level coursework.

### Selected Coursework

- **Digital Signal Processing (grad level), Engineering Mechanics I, Introduction to Software Engineering, Photonics Lab I (grad level), Sustainable Power Systems (grad level)** MAY 2019
  - **Production I** — *Boston University* JUL - AUG 2018
- Learned fundamentals of motion picture production; independently directed three movies.
- **Public Speaking Elective Course** — *Zahrat Alsahra'a International School* MAY 2014

## WORK EXPERIENCE

- Research Assistant at KAUST Composite and Heterogeneous Material Analysis and Simulation Lab** JUN-JUL 2019
- Manufactured fiber carbon plates with FBG sensors.
  - Worked on water jet cutting machine and hydraulic press.
  - Trained and worked on Teneo SEM (scanning electron microscope).
- Laboratory Teaching Assistant for Boston University Circuits Lab** 2018 - 2019
- Supervised lab sessions and taught students to build and analyze circuits for lab assignments.
- Research Assistant at Boston University Cochlear Biophysics Lab** JUN 2018
- Repaired an optical instrument used to measure high frequency displacement of cellular structure.
  - Built a fiber optic probe.
- Research Assistant at Boston University Applied Electromagnetics Lab** JUL - AUG 2017
- Designed and conducted four experiments to test efficiencies of solar electrodynamic screens.
  - Learned to solder wires and built connection wires for the lab's project's main power supplies.

## SKILLS

**Lab:** Experienced using oscilloscopes, optical lab supplies, power supplies, and test & measurement equipments. Intermediate using water jet cutting machine, hydraulic press, and Teneo SEM.

**Computer:** C++ and Matlab Programming; Avid Media Composer.

**Languages:** Intermediate French (Level B2) and Native Arabic.

## STEM-RELATED PROJECTS

- Project title: Human Powered Electricity Generator** SEP - DEC 2017
- Designed, built, and tested a bicycle-based generator for a group project. Individual responsibilities included building the circuitry and programming an Arduino for battery display on an LCD screen.

## AFFILIATIONS AND COMMUNITY ACTIVITIES

- **Gahwat Boston** - Photographer and organizer. SEP 2019 - PRESENT
- **Boston University Saudi Cultural Club (BUSCC)** - Photographer and organizer. SEP 2016 - PRESENT
- **Boston University Organization of Pakistani Students (BUOPS)** - Photographer. SEP 2016
- **Muslim Writers Collective** - Participant. JAN 2016
- **Blacksburg Local Masjid** - Volunteer: Maintained indoor spaces. NOV 2015
- **Micah's Backpack** Volunteer: Organized food-packs for children from low income families. OCT 2015
- **Saudi Students Club at Virginia Tech** - Photographer and organizer. OCT 2015

## HONORS AND AWARDS

- **Dean's List for Fall 2016** —BU College of Engineering DEC 2016
  - **KAUST (King Abdullah's University of Science and Technology) Gifted Student Program Scholarship Recipient** APR 2015
- A scholarship offering Saudi Students to complete undergraduate studies in the U.S. and graduate studies at KAUST.
- **Diplôme D'Études En Langue Française Niveau B2 (DEL F B2)** JUL 2013
- Approved by Commission National du DELF et du DALF and Ministère de l'Éducation Nationale.