Alexander Avdeev

Birthday	25.06.1989
Marital Status	Single
Contact Information	aa5783@nyu.edu (050 7701048)

Education

Master of Science (MS) in Mechatronics Engineering
American University of Sharjah, 2011 – 2014 (GPA: 3.61)
Master Thesis: Artificial Intelligence Based Identification of the Attitude Dynamics for a Quadrotor UAV
Activities and Societies: Graduate Teaching Assistant
Currently working on a journal paper based on my thesis

Bachelor of Science (BS) in Mechanical Engineering
American University of Sharjah, 2005 - 2010
Senior Design Project: Electrical Hybrid Vehicle with Serial Power-flow Configuration
Activities and Societies: Grader

Experience

Instructor at New York University Abu Dhabi Campus (Division of Engineering)
August 2019 – Present
- Teaching electrical and mechanical engineering labs
- Assisting with electrical and mechanical courses
- Managing labs
- Assisting students with capstone projects

Associate Instructor at New York University Abu Dhabi Campus (Division of Engineering)
November 2016 – August 2019
- Teaching electrical and mechanical engineering labs
- Assisting with electrical and mechanical courses
- Managing labs

Application Engineer at Power Hydraulics
October 2015 – November 2016 (1 year)
- Gained valuable experience in hydraulic systems components and design
- Improved soft skills required for successful and effective teamwork

Graduate Teaching Assistant at American University of Sharjah
February 2012 – September 2014 (2 years 6 months)
- Taught Engineering Measurements and Computer Applications labs
- Assisted students in their projects

Grader at American University of Sharjah
January 2010 – January 2011 (1 year)
- Graded Advanced Kinematics and Dynamics of Machinery course
- Gave several workshops on SimMechanics and ANSYS

Translator at Chalmers Marine Engineering
May 2010 - July 2010 (3 months)
- Translated fire safety related engineering drawings and technical documentation

Experience (contd.)

Intern at Emirates Metallic Industries Company
June 2009 - July 2009 (2 months)
- Gained an insight into organization of mass production
- Obtained practical experience in the field of manufacturing of tin plated products

Trainee at ABB (turbochargers department)
June 2008 - July 2008 (2 months)
- Gained valuable experience and insight in the field of turbochargers maintenance and repairs

Trainee at Goltens Worldwide
June 2007 - August 2007 (3 months)
- Obtained experience in fuel systems and water pumps maintenance and repairs

Skills & Expertise

Software:
- MATLAB & Simulink
- AtmelStudio
- C language programming for embedded systems
- ANSYS
- AutoCAD/Solidworks

Hardware:
- Microchip PIC family microcontrollers
- Atmel ATMega family microcontrollers
- BeagleBone embedded PC
- National Instruments DAQ boards

Soft skills:
- Research
- Teamwork
- Driving License

Languages

Russian   (Native)
English   (Advanced)