

## Kyle Antonini



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### Professional Experience:

#### **2016 - Present**

Junior Partner, Consulting Engineer and Surveyor, MARTIN, OTTAWAY, van HEMMEN & DOLAN, INC. Areas of specialization include forensic engineering, offshore operations, surveys, environmental management, and project management.

#### **2011 - 2015**

Measurement and Logging While Drilling (MLWD) Field Engineer, SCHLUMBERGER OILFIELD SERVICES, Prudhoe Bay and Cook Inlet, AK; Krasnoyarsk, Vankor, and Dulisma, Russia; Lafayette (Gulf of Mexico), LA; Kuwait City, Kuwait – Programmed and operated downhole drilling equipment that provided complete suite of real-time directional, geological, and petrophysical measurements throughout drilling process. Monitored and troubleshooted operations and processed telemetry signals at surface. Created detailed logs and reports for clients (operators) and their respective geologists, drilling engineers, petrophysicists, etc.

Offshore experience: Anna Platform, Cook Inlet, Alaska

Chevron Genesis (Nabors 85), Gulf of Mexico

Hercules 202 Platform, Gulf of Mexico

#### **2009 - 2010**

Research and Development Intern, PICOMETRIX LLC, Ann Arbor, MI – Assisted with

designing experiments and analyzing data to test applications of Terahertz Time Domain optoelectronic technology. Designed and machined test apparatuses. Formulated new software algorithms. Wrote code to reduce and analyze large amounts of measurement data.

## **2008**

Intern Engineer, GENERAL MOTORS, Warren, MI - Evaluated Terahertz Time Domain technology as a means of providing in-line film build thickness measurement in assembly plant paint shops. Coordinated efforts between multiple clients to provide measurement samples and test applications throughout greater Detroit area.

## **Education and Professional Qualifications**

Bachelor of Science in Engineering (Cum Laude) in Mechanical Engineering, University of Michigan, 2011

Bachelor of Science in Engineering (Cum Laude) in Engineering Physics, University of Michigan, 2011

Certified Qualified Individual for the Oil Pollution Act of 1990 and proven competent at the level of OSHA 24-Hour On-Scene Commander as per 29 CFR 1910.120(q) at Gallagher Marine Systems, Summer 2018

Internal Auditor Training Course - Lloyd's Register of Shipping, 2017

Full Stack Web Development Course, Career Foundry, 2016

CrossFit Level 1 Coaching Certificate, 2015

## **Notable Projects**

Performed sensitive operations with radioactive equipment, such as calibrating nuclear LWD tools, performing leak tests on nuclear sources, and loading and unloading sources from drilling assemblies, 2011-2015

Worked as Injury Prevention location specialist and trainer, and Drilling Software location specialist for Schlumberger Alaska, 2015

Designed and successfully built and tested an optical device for measuring surface roughness, University of Michigan Department of Mechanical Engineering, 2009

Tested model and measurement devices for investigating neurocognitive effects of soccer ball heading, Boise State University, 2005-2007

## **Publications**

"Hurricane Preparation for Marinas and Yacht Clubs," presented to American Institute of Marine Underwriters "Marine Issues Seminar," in Manhattan, NY, May 7, 2019

"The Delightful Frustration of Cruise Ship Power Plant Design," presented to joint meeting of SNAME, ASME, and SAME, in Philadelphia, January 24, 2017.

## **Memberships**

Associate Member and Membership Coordinator, Society of Naval Architecture and Marine Engineering

Board Member, Society of Marine Port Engineers

Member, Society of Petroleum Engineers

Member, American Association of Drilling Engineers

Associate Member, Sigma Xi, the Scientific Research Society

Member, Alpha Pi Mu, Industrial Engineering Honors Society

Member, Phi Mu Alpha Fraternity of America

## **Awards**

2007 United States Presidential Scholar, top male from Idaho

2005-2007 National Advanced Placement Scholar, youngest in Idaho

## **Languages**

English, native

Russian, basic working, reading, and speaking

Spanish, elementary reading, writing, speaking

French, elementary reading, writing, speaking

## **Nationality**

US Citizen

## **Clearance**

L5 Nuclear Radiation Clearance

## **Contact**

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## Blog Posts by Kyle Antonini

- [85th National Maritime Day](#) May 23, 2017
- [A Future Fuel Option that Nobody Is Talking About](#) January 13, 2017