CURRICULUM VITAE

DANIEL J. BOGORFF

Research Engineer
AOPE – OOI/CGSN
SubSurface Refurbishment Facility (SMRF)
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EDUCATION:

The Cooper Union for the Advancement of Science and Art – New York, NY **1992-96**
Awarded Bachelor's Degree in Science and Engineering

PROFESSIONAL EXPERIENCE:

WHOI – AOPE: OOI/CGSN (Inductive Subsurface Mooring Lead):
Woods Hole, MA **–** Research *Engineer* **May 2016 - Present**

WHOI – AOPE: OOI/CGSN (Slocum Glider/CSPP):
Woods Hole, MA **–** *Engineer II* **Jun 2015 – May 2016**

WHOI – AOPE: Advanced Engineering Laboratory (DTAG/DMON)
Woods Hole, MA **–** *Engineering Asst III* **Oct 2011 – May 2015**

WHOI – PO: Subsurface Mooring Operations Group
Woods Hole, MA **–** *Engineering Asst II* **May 2008 – Sept 2011**

The Marine Biological Laboratory – Biocurrents Research Center (micro-biosensors)
Woods Hole, MA **--** *Research Asst* **Jun 2004 – Apr 2008**

The Marine Biological Laboratory – Biocurrents Research Center (micro-biosensors)
Woods Hole, MA **--** *Research Asst* **Apr 2003 – Sep 2003**

The Phusion Grille
Woods Hole, MA **–** *Sushi chef, server, line cook, dishwasher, busser* **Apr 2003 – Sep 2010**

WHOI – AOPE: OOI/CGSN-SMRF (Subsurface Moorings Refurbishment Facility)
Woods Hole, MA **–** Shop Supervisor **2024 - Present**

RESEARCH INTERESTS:

Project management of long-term on-board sensor sampling, data collection, and data analysis in deep water moorings/ROV's/AUV's. Renewable marine energy, underwater communications, and mobile profiling sensors. Electrical/mechanical design and development.

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CRUISE PARTICIPATION:

AUV/ROV OPERATIONS

ROV Ops – OOI/CGSN Pioneer Array – Woods Hole. **April, 2025**
Assisted with setup, operation of SAAB ROV for mooring anchor recovery.

REMUS 600 AUV for Glider Ops/OOI – Weems, VA **Oct 2024**
Test ops and survey for new Pioneer MAB site.

REMUS 600 AUV for Glider Ops/OOI – Beaufort, NC **June 2023**
Test cruise at Duke Marine Lab for new Pioneer MAB site.

OOI-CGSN: Global PAPA: R/V Sikuliaq – Newport, OR **Sep-Oct 2019**
Slocum Glider lead for pre-flight checks and deployments.

AUV Sentry Ops: R/V Atlantis – Guaymas to Manzanillo, Mexico **Nov 2018**
AUV mechanical engineer. Joint ops with the manned submersible Alvin.

Hydroid 1000m AUV Dock testing: R/V Connecticut – Sandwich, MA **Sept 2015**
AUV dock training in Cape Cod Bay.

AUV Sentry Ops: R/V Atlantis – St. Petersburg, FL **Jun 2015**
AUV mechanical engineer. Joint ops with the manned submersible Alvin.

OOI-CGSN: Argentine Basin: R/V Atlantis –
Punta Arenas, Chile to Montevideo, Uruguay **Feb – Mar 2015**
Glider/mooring tech for deployments.

AUV Sentry Operations: R/V Sikuliaq – Honolulu, HI to Apra, Guam **Dec 2014-Jan 2015**
AUV Mechanical Trainee.

OOI/CGSN Irminger Sea: R/V Knorr – Reykjavik, Iceland to Woods Hole, MA **Sep 2014**
Mooring/Slocum Glider deployments.

Nereus: HADAL Community – R/V Thompson – Auckland, NZ to Apia, Samoa **May 2014**
Nereus ROV pre- and post-dive preparation, deployment/recovery ops, fiber optics, electrical/mechanical.

Spray Glider – R/V Discovery –Woods Hole, MA **2011**
Spray Glider w/ Micro-Rider deployment/recovery operations off of Martha's Vineyard.

REMUS 100 – Small Vessel Hurricane –Woods Hole, MA **2011**
REMUS operations and testing in Buzzards Bay.

Spray Glider: R/V Kadiana – Coco Drie, LA **2009**
Recovery and deployment of spray glider off the coast of Louisiana.

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DTAG FIELD WORK

Savannah State University - Savannah, GA **Aug 2013**
Tag tech and MMO, tagging River Dolphins in Lazaretto Creek with DTAG3.

Ure, Norway **May 2013**
Tag tech and MMO, tagging Minke whales in the Lofoten Islands with DTAG3.

Anchorage, AK **Aug 2012**
Tag tech and MMO, tagging Beluga whales in Cook Inlet with DTAG2.

Savona, Italy **Jun 2012**
MMO, Beaked whales in Ligurian Sea with DTAG2

MOORING OPERATIONS

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Reykjavik, IS **Jun-Jul 2026**
Subsurface mooring engineer lead, glider operations lead, and deck team. Inductive subsurface moorings turn-around in conjunction with OSNAP mooring operations.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Reykjavik, IS **Jul-Aug 2025**
Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global PAPA: R/V Sikuliaq – Seward, AK **June 2025**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Reykjavik, IS **Jun-Jul 2024**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Reykjavik, IS **Aug 2023**
SubSurface mooring in-port mobilization team. Construction and testing of moorings on the dock.

OOI-CGSN: Global PAPA: R/V Sikuliaq – Seward, AK **May 2023**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Woods Hole, MA **July 2022**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global PAPA: R/V Sikuliaq – Seward, AK **May 2022**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global PAPA: R/V Sikuliaq – Seward, AK **May-June 2021**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

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OOI-CGSN: Global Irminger: R/V Neil Armstrong – Woods Hole, MA **Jun-July 2021**
SubSurface mooring lead. Subsurface mooring engineer, glider operations, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Woods Hole, MA **Aug-Sep 2020**
Subsurface mooring engineer, and deck team. Inductive subsurface moorings turn-around.

OOI-CGSN: Pioneer 14: R/V Neil Armstrong – Woods Hole, MA **Jun 2020**
Deployment/recovery deck team. Profiler moorings turn-around.

OOI-CGSN: Station PAPA: R/V Sikuliaq – Newport, OR to Seattle, WA **Sep–Oct 2019**
Subsurface mooring lead, and glider operations lead. Inductive subsurface mooring turn-around.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Reykjavik, Iceland **July-Aug 2019**
Subsurface mooring engineer. Inductive subsurface mooring turn-around.

OOI-CGSN: Station PAPA: R/V Sally Ride – Newport, OR to Seattle, WA **Jul–Aug 2018**
Subsurface mooring lead. Inductive subsurface mooring turn-around.

OOI-CGSN: Global Irminger: R/V Neil Armstrong – Reykjavik, Iceland **May-Jun 2018**
Subsurface mooring lead. Inductive subsurface mooring turn-around.

OOI-CGSN: Southern Ocean: R/V N.B.Palmer – Punta Arenas, Chile **Nov-Dec 2017**
Inductive subsurface mooring lead. Surface mooring recovery lead.

OOI-CGSN: Station PAPA: Mob only – Seattle, WA **July 2017**
Glider tech / Inductive subsurface mooring team.

OOI-CGSN: Argentine Basin: R/V N.B.Palmer – Punta Arenas, Chile **Oct – Nov 2016**
Inductive subsurface mooring team.

OOI-CGSN: Station PAPA: Mob only – Seattle, WA **May 2016**
Glider tech / Inductive subsurface mooring team.

OOI-CGSN: Pioneer Array: R/V Atlantis – Woods Hole, MA **Apr-May 2015**
Mooring tech for recoveries/deployments working with John Kemp.

OOI-CGSN: Argentine Basin: R/V Atlantis –
Punta Arenas, Chile to Montevideo, Uruguay **Feb – Mar 2015**
Glider/mooring tech for deployments.

OOI/CGSN Irminger Sea: R/V Atlantis – Reykjavik, Icealand to Woods Hole, MA **Sep 2014**
Mooring/Slocum Glider deployments.

OOI/CGSN Pioneer Array: R/V Connecticut – Groton, CT to WHOI **Jul 2014**
Slocum Glider recovery, surface mooring ops.

EXITS: R/V Kilo Moana –Honolulu, HI **2011**
Turn around of sub-surface moorings.

LINE-W: R/V Atlantis –Woods Hole, MA **2010**
Turn around of Line W subsurface moorings.

DynaMITE: R/V Atlantic Explorer –St. Georges, Bermuda **2010**
Deployment of DynaMITE subsurface moorings.

CGFZ: R/V Meteor – St. Johns, Newfoundland to Ponta Delgada, Azores **2010**
Deployment of subsurface moorings in the North Atlantic.

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Antarctic Slope: RSV Aurora Australis – Hobart, Tasmania to Casey Station, Antarctica **2009**
Deployment of subsurface moorings across the Antarctic shelf.

LINE-W: R/V Endeavor –Woods Hole, MA **2008**
Turn around of Line W subsurface moorings.

LINE_W: R/V Oceanus –Woods Hole, MA **2008**
Turn around of Line W subsurface moorings.

PUBLICATIONS:

Bocconcelli, A., Horn, M., Kuo, J., Bogorff, D., Poster: "A novel modular tag for marine mammals", European Cetacean Society, Middlefart, Denmark, May, 2017.

Van Mooy, B, Hmelo, L, Fredericks, H, Ossolinski, J, Pedler, B, Bogorff, D, Smith, P, Quantitative exploration of the contribution of settlement, growth, dispersal and grazing to the accumulation of natural marine biofilms on antifouling and fouling-release coatings, *Biofouling: The Journal of Bioadhesion and Biofilm Research*, DOI: 10.1080/08927014.2013.861422, 13 Jan 2014.

Fioramonti, X., Sayed, N., McCrimmon, R., Marsolier, N., Pica-Mendez, A., Bogorff, D.,

Tobon, K., Smith, P., Sherwin, R., Sanders, N., Beuve, A., Magnan, C., Routh, V.H., Dual role of hypothalamic nitric oxide (NO) production in the control of the counter-regulatory response to hypoglycemia, *Proceedings of the 68th Annual Scientific Session of the American Diabetes Association (ADA)*, San Francisco, CA, Jun 2008.

Fioramonti, X., Pica-Mendez, A., Marsolier, N., Bogorff, D., Tobon, K., Smith, P., McCrimmon, R., Sherwin, R., Sanders, N., Magnan, C., Routh, V.H., Involvement of hypothalamic nitric oxide (NO) production in the control of the counter-regulatory response to hypoglycemia, *Proceedings of the 37th Annual Meeting of the Society for Neuroscience (SFN)*, San Diego, CA, Nov 2007.

Bogorff, D., Hydrothermal Vents: A Novel Theory of Illumination, *Proceedings of IEEE/OES Oceans '05 Europe Conference*, Brest, France, Jun 2005.

Bogorff, D., Messerli, M., Malchow, R.P., Smith, P.J.S., Development and Characterization of a Self-Referencing Glutamate-Selective Micro-biosensor, *Biological Bulletin*, 205 (2): 207-8, Oct 2003.

CRUISE REPORTS:

S. White, M. Yoder, C. Basque, J. Batryn, D. Bogorff, P. Duley, H. Furey, L. Houghton, A. Houk, J. Jordan, M. Robinson, D. Bishop, *Irminger Sea 11 Cruise Report, R/V Neil Armstrong, AR84-01,* Woods Hole, MA to Reykjavik, Iceland, June-July 2024.

R. Travis, K. Newhall, D. Bogorff, J. Dunn, J. Kozik, J. Kuo, N. Llanos, D. Wellwood, *Station PAPA 10 Cruise Report, R/V Sikuliaq, SKQ202308S,* Seward, AK, May 2023.

S. White, S. Newman, C. Basque, J. Batryn, D. Bogorff, P. Duley, I. Duran, H. Furey, L. Houghton, A. Houk, J. Jordan, J. Kemp, M. Latvis, E.Park, *Irminger Sea 9 Cruise Report, R/V Neil Armstrong, AR69-01,* Woods Hole, MA to Reykjavik, Iceland, June-July 2022.

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R. Travis, K. Newhall, A. Smith, D. Bogorff, J. Dunn, N. Llanos, P. Berk, J. Talbort, E. Iseley, *Station PAPA 9 Cruise Report, R/V Sikuliaq, SKQ202208S*, Seward, AK to Seattle, WA, May 2022.

J. Lund, A. Reed, C. Basque, J. Batryn, D. Bogorff, S. Petilllo, L. Houghton, J. Kosik, J. Jordan, N. Foukal, C. Dobson, H. Furey, *Irminger Sea 8 Cruise Report, R/V Neil Armstrong, AR60-01*, Woods Hole, MA to Reykjavik, Iceland, Aug 2021.

S. Bigorre, H. Furey, J. Kemp, J. Kuo, D. Bogorff, R. Graham, *Irminger Sea 7 Cruise Report, R/V Neil Armstrong, AR-46*, Wood Hole, MA, Aug-Sep 2020.

K. Newhall, R. Travis, M. Donohue, D. Bogorff, J. Kuo, *Station Papa 7 Cruise Report, R/V Sikuliaq Cruise SKQ2019-20S*, Newport, OR, Sep-Oct 2019

Z. Berkowitz, M. Skowronski, J. Vaccaro, D. Bogorff, *Sentry Operations Report for the AT42-05 Teske Cruise, R/V Atlantis*, Guaymas to Manzanillo, Mexico, Nov, 2018.

S. White, S. Petillo, H. Palevsky, A. Smith, J. Kuo, D. Bogorff, C. Dobson, J. Kemp, J. Dunn, C. Basque, D. Wellwood, *Irminger Sea 6 Cruise Report, R/V Neil Armstrong, AR 35-05*, Reykavik, Iceland to Woods Hole, MA, Aug 2019.

M. Palanza, J. Kuo, D. Bogorff, J. Ryder, S. Caldwell, T. Thomas, D. Wellwood, *Station PAPA 6 Cruise Report, R/V Sally Ride, SR1811*, Newport, OR to Seattle, WA, Jul-Aug 2018.

A. Macdonald, S. White, J. Kemp, H. Palevsky, S. Petillo, D. Bogorff, J. Kuo, C. Dobson, D. Wellwood, *Irminger Sea 5 Cruise Report, R/V Neil Armstrong, AR 30-03*, Reykjavik, Iceland, Jun 2018.

S. White, E. Roosen, J. Ryder, D. Bogorff, L. Houghton, A. Smith, M. Ochs, C. Basque, J. Mitchel, *Southern Ocean 4 Cruise Report, RVIB Nathaniel B. Palmer, NBP 17-09*, Punta Arenas, Chile, Nov-Dec 2017.

E. Dever, J. Kuo, J. Ryder, T. Thomas, S. Lambert, *Station Papa 5 Cruise Report, R/V Sally Ride, SR-1710*, Alameda, CA, July 2017.

S. Bigorre, D. Suhm, M. Donohue, A. Franks, J. Kuo, D. Wellwood, J. Schwartz, B. Kelly, *Argentine Basin 3 Deployment Cruise Report, RVIB Palmer NBP 16-09*, Punta Arenas, Chile, Oct–Nov 2016.

G Chavez, Send U, Bogorff D, Chua P, Horn M, Heux R, Kemp J, *Argentine Basin 1 Deployment Cruise Report, R/V Atlantis, Cruise AT 26-30*, Punta Arenas, Chile, March 2015.

R. A. Weller, M. Lankhorst, K. Newhall, B. Kelly, D. Wellwood, E. Morris, S. Kawamoto, R. Heux, I. Arzeno, S. Ober, T. Phelps, J. Ryder, J. Koelling, *Irminger Sea 1 Deployment Cruise Report R/V Knorr Cruise KN 221-4,* Reykjavik, Iceland*,* September 2014.

EXPRESS LICENSE:

Mooney, A., Bogorff, D., "Neutrally Buoyant Accelerometer System," 2021.09.
Bogorff, D., "DTAG Pole Adapter," 2019.07.