





# City of Seattle Boards & Commissions Notice of Appointment

<b>Appointee Name:</b> Vanessa Martina Böehm		
<b>Board/Commission Name:</b> Northwest Design Review Board		<b>Position Title:</b> Local Residential Representative
<input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment		<b>Council Confirmation required?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Appointing Authority:</b> <input type="checkbox"/> Council <input type="checkbox"/> Mayor <input checked="" type="checkbox"/> Other: Joint Mayor & Council	<b>Date Appointed:</b> mm/dd/yy.	<b>Term of Position: *</b> 4/4/2024 to 4/3/2026  <input type="checkbox"/> Serving remaining term of a vacant position
<b>Residential Neighborhood:</b> Greenwood	<b>Zip Code:</b> 98103	<b>Contact Phone No.:</b> Business phone # - NOT personal phone #
<b>Background:</b> Vanessa is a Senior Data Scientist at Nautilus Labs.		
<b>Authorizing Signature (original signature):</b> 	<b>Appointing Signatory:</b> Tammy J. Morales Seattle City Councilmember	
<b>Authorizing Signature (original signature):</b> 	<b>Appointing Signatory:</b> Bruce A. Harrell Mayor of Seattle	

\*Term begin and end date is fixed and tied to the position and not appointment date.

# Vanessa Martina Boehm, Ph.D. (she/her)

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## PROFESSIONAL PROFILE

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Mission-driven data scientist with more than 9 years experience developing data modeling and analysis algorithms in academia and industry.

## WORK EXPERIENCE

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### **Senior Data Scientist - Nautilus Labs, Remote, Jan 2023-present**

Working to reduce carbon emission from ocean commerce and transportation

- Developing machine learning algorithms to monitor and optimize vessel performance
- Leveraging high-dimensional optimization for vessel routing and operation

### **Postdoctoral Research Fellow - Berkeley Center for Cosmological Physics, UC Berkeley, Nov 2017 - Nov 2022**

- Designed and applied deep learning frameworks for scientific discovery, anomaly detection, and probabilistic inference
- Developed numerical simulations of high-dimensional, nonlinear physical systems
- Applied data science and machine learning techniques in a multitude of domains, including astrophysics, earth science, epidemiology, and social sciences. For example,
  - Developed algorithms for rapid natural disaster assessment from space
  - Used machine learning to estimate the mortality from COVID-19 in the early stages of the pandemic (published in Nature Communications)
  - Worked with a non-profit to identify shifts in applicants to food stamp programs during the pandemic
  - Studied the impact of COVID-19 responses on underrepresented groups in astrophysics research (published in Nature Astrophysics)

### **Doctoral Research Fellow - Max-Planck Institute for Astrophysics, Garching, Germany, Oct 2013 - Oct 2017**

- Developed numerical Bayesian algorithms for the analysis of weak galaxy lensing
- Identified an important bias to measurements of early Universe physics

### **Master Research Fellow - Center for Astrophysics of the University of Porto, Porto, Portugal, 2012/2013**

- Used numerical simulations to study the evolution of galaxies and their properties

## EDUCATION & DEGREES

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**Ph.D. - Ludwig-Maximilian University (LMU), Munich, Germany, July 2017**

graduated *summa cum laude*

**Master of Science (Physics) - Heidelberg University, Germany, July 2013**

**Bachelor of Science (Physics) - Heidelberg University, Germany, July 2011**

## MENTORSHIP, TEACHING AND SERVICE

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**5+ years of mentoring experience** of students at all academic levels

**Mentor for N3AS Research Program:** Paid research opportunities and career mentoring for transfer students in the Berkeley Physics Program (2022)

**Teacher for LSSTC Data Science Fellowship Program:** Fellowship providing data science training and mentoring to a diverse pool of astrophysics students from all over the world (2022)

**Mentor for Society of Women in the Physical Sciences (SWPS)** (2021/2022)

**Judge for "Jugend Forscht"** (2014-2017) - Germany's largest and most prestigious Youth science competition

**Mentor for the Heidelberg Life-Science Lab** (2007-2012) an inclusive, non-metric based program supporting high school students interested in scientific careers

# Design Review Board

**42 Design Review Board** Members: Pursuant to SMC 23.41.008, *all* members are subject to City Council confirmation, *two*-year terms that may be re-appointed to a second term:

- 12 City Council-appointed
- 13 Mayor-appointed
- 15 Joint Mayor and Council appointed
- 2 *Mayor appointed per SMC 3.51 (Get Engaged)*

## Roster:

*D	**G	RD	Position No.	Position Title	Name († holdover, ‡ beginning mid-term)	Term Begin Date	Term End Date	Term #	Appointed By
1	M		1.	Local Residential, DT	Kuo, Jonas	4/4/2023	4/3/2025	1	Mayor/Council
6	M		2.	Local Community, NE	Lee, Todd	4/4/2023	4/3/2025	1	Mayor
6	M		3.	Development, SW	Schaefer, Gavin	4/4/2024	4/3/2026	1	Mayor
6	M		4.	Business/Landscape, W	Allwine, Stephen A ‡	4/4/2023	4/3/2025	1	Mayor/Council
9	M		5.	Local Residential, SW	McCulloch, Rob	4/4/2023	4/3/2025	1	Mayor
6	F		6.	Business/Landscape, E	van Geldern, Emily †	4/4/2022	4/3/2024	2	Mayor/Council
6	F		7.	Local Community, SE	Wild, Kirsten	4/4/2024	4/3/2026	1	Mayor
6	F		8.	Development, SE	Baxter, Brenda L.	4/4/2024	4/3/2026	1	Council
1	M		9.	Local Community, NW	Prathivadi, Keshav	4/4/2024	4/3/2026	1	Council
9	M		10.	Business/Landscape, NW	Wagner, Solomon	4/4/2023	4/3/2025	1	Mayor/Council
6	F		11.	Design Professional, E	Gage, Gina	4/4/2023	4/3/2025	2	Mayor
6	M		12.	Development, NW	Efthimiadis, Nicholas	4/4/2024	4/3/2026	1	Mayor
2	F		13.	Business/Landscape, DT	Vasser, Lisa	4/4/2024	4/3/2026	2	Mayor/Council
5	M		14.	Development, E	Arun, Akhil ‡	4/4/2023	4/3/2025	1	Council
6	M		15.	Development, NE	Say, Dan	4/4/2024	4/3/2026	1	Council
6	F		16.	Local Community, SW	McClurg, Jessie	4/4/2024	4/3/2026	1	Council
3	M		17.	Design Professional, NE	Herrera-Enzuate, Stuart	4/4/2024	4/3/2026	1	Council
1	F		18.	Design Professional, W	Sato, Norie	4/4/2023	4/3/2025	1	Council
5	F		19.	Local Community, W	Maas, Sarah Ashley	4/4/2024	4/3/2026	1	Mayor
6	M		20.	Development, DT	Bendix, Christopher	4/4/2023	4/3/2025	1	Council
3	F		21.	Business/Landscape, SW	Alvarez, Ana ‡	4/4/2023	4/3/2025	1	Mayor/Council
9	F		22.	Design Professional, SE	De Giuli, Adriana	4/4/2023	4/3/2025	1	Council
6	M		23.	Design Professional, NW	DiRaimo, Ryan	4/4/2023	4/3/2025	1	Mayor

9	M		24.	Local Community, E	Reilly, Joe ‡	4/4/2023	4/3/2025	1	Council
6	F		25.	Local Residential, NW	Böehm, Vanessa Martina	4/4/2024	4/3/2026	1	Mayor/Council
1	F		26.	Local Community, DT	Fortaleza, Che	4/4/2024	4/3/2026	2	Mayor
6	F		27.	Development, W	Ratray, Tiffany	4/4/2023	4/3/2025	2	Mayor
9	F		28.	Local Residential, NE	Schickler, Kayleigh	4/4/2023	4/3/2025	1	Mayor/Council
6	M		29.	Design Professional, DT	Woll, Jacob	4/4/2024	4/3/2026	1	Mayor
1	F		30.	Design Professional, SW	Li, Nicole ‡	4/4/2023	4/3/2025	1	Mayor/Council
6	M		31.	Business/Landscape, SE	Duda, Nick	4/4/2024	4/3/2026	1	Mayor/Council
2	M		32.	Local Residential, W	Ogunmola, Kinsley	4/4/2023	4/3/2025	1	Mayor/Council
6	U		33.	Local Residential, E	Cosman, Jacob	4/4/3023	4/3/2025	1	Mayor/Council
1	M		34.	Local Residential, SE	Zhang, Zi	4/4/2023	4/3/2025	1	Mayor/Council
6	M		35.	Business/Landscape, NE	Doehr, Benjamin	4/4/2024	4/3/2026	1	Mayor/Council
2	F		36.	Get Engaged	Abdulkadir, Shabazz	9/1/2023	8/31/2024	1	Mayor (SMC 3.51)
6	F		37.	Local Residential, CA	Port, Brittany	4/4/2024	4/3/2026	1	Council
6	M		38.	Local Community, CA	Karlinsey, Ethan	4/4/2024	4/3/2026	1	Mayor
1	F		39.	Design Professional, CA	Wong, Samantha	4/4/2024	4/3/2026	1	Council
5	M		40.	Development, CA	Hirsty, Daniel	4/4/2024	4/3/2026	1	Mayor
1	F		41.	Business/Landscape, CA	Hu, Quanlin	4/4/2024	4/3/2026	1	Mayor/Council
N/A	N/A		42.	Get Engaged	Soulmani, Radia	9/1/2023	8/31/2024	1	Mayor (SMC 3.51)

New Appointments
Re-appointments
Vacant

SELF-IDENTIFIED DIVERSITY CHART					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Men	Women	Transgender	Unknown	Asian	Black/ African American	Hispanic/ Latino	American Indian/ Alaska Native	Other	Caucasian/ Non- Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	8	6	0	0	1	1	0	0	2	9	0	0	1
Council	6	6	0	0	3	0	1	0	1	5	0	0	2
Joint	8	7	0	0	4	2	1	0	0	5	0	0	2
Total	22	19	0	0	8	3	2	0	3	19	0	0	5

**Key:**

**\*D** List the corresponding *Diversity Chart* number (1 through 9)

**\*\*G** List *gender*, **M** = Male, **F**= Female, **T**= Transgender, **U**= Unknown

**RD** Residential Council District number 1 through 7 or N/A

*Diversity information is self-identified and is voluntary.*