




# City of Seattle Boards & Commissions Notice of Appointment

|   |  |  |
|---|--|--|
| <b>Appointee Name:</b><br>Keshav Prathivadi   |  |  |
| <b>Board/Commission Name:</b><br>Northwest Design Review Board  |  | <b>Position Title:</b><br>Local Community Representative             |
| <input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment   | <b>City Council Confirmation required?</b><br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No                               |  |
| <b>Appointing Authority:</b><br><input checked="" type="checkbox"/> City Council<br><input type="checkbox"/> Mayor<br><input type="checkbox"/> Other: <i>Fill in appointing authority</i> | <b>Term of Position: *</b><br>4/4/2024<br><b>to</b><br>4/3/2026<br><br><input type="checkbox"/> <i>Serving remaining term of a vacant position</i> |  |
| <b>Residential Neighborhood:</b><br>Greenwood   | <b>Zip Code:</b><br>98103  | <b>Contact Phone No.:</b><br>Business phone # - NOT personal phone # |
| <b>Background:</b><br>Keshav is an Aerodynamics Engineer at Boeing Commercial Airplanes.  |  |  |
| <b>Authorizing Signature (original signature):</b><br><br><b>Date Signed (appointed):</b><br>3/19/2024 | <b>Appointing Signatory:</b><br>Tammy J. Morales<br>Seattle City Councilmember   |  |

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

# Keshav Prathivadi

## EDUCATION

The University of Texas at Austin, M.S. Aerospace Engineering  
The University of Texas at Austin, B.S. Aerospace Engineering

May 2023  
May 2019

## PUBLICATIONS

*Deflagration Thruster for Air-Breathing Electric Propulsion in Very Low Earth Orbit*, 2024, Acta Astronautica.  
*Design and Characterization of an Air-Breathing Deflagration Thruster*, 2023, UT Austin Master's Thesis.  
*Characterization of an Air-Breathing Deflagration Thruster*, 2023, AIAA SciTech Forum.

## EXPERIENCE

**Boeing Commercial Airplanes – Aerodynamics Engineer | Everett, WA** August 2023 – Present

- Contributing to development of future Boeing products as part of the High-Speed Aerodynamics team in Flight Sciences.
- Developing high-speed drag polars to predict performance of aircraft at cruising altitude flight conditions.
- Collaborating on development of geometry and data software used to aid in development of new aircraft configurations.

**UT Austin – Graduate Research Assistant | Austin, TX** August 2021 – May 2023

- Conducted research on air-breathing electric propulsion under the instruction of Dr. Thomas Underwood.
- Designed experimental setup, including thruster device, power system, and diagnostics for thrust measurements.
- Conducted simulations on thruster gas dynamics to determine pressure distribution and mass propagation in thruster.
- Exposed to pressure testing of vacuum chambers, high-vacuum systems, and basics of plasma behavior and breakdown.
- Published Master's Thesis, one Conference Proceeding, and one Journal Paper over duration of research.

**Eaton Corporation – Engineering Leadership Development Program | Amarillo, TX** July 2019 – June 2021  
**Rotation #2 – VA/VE Engineer** August 2020 – June 2021

- Led Value-add/Value-engineering ideation events for lighting products requiring redesign or re-sourcing.
- Remotely coordinated with cross-functional teams in India and Syracuse to deselect or pursue design proposals.
- Analyzed test stand data to determine effectiveness of design changes and reported out to greater product team.

**Rotation #1 – Manufacturing Engineer** July 2019 – June 2021

- Owned plant capital projects from sourcing to implementation worth \$1.2M with \$445K worth of annual savings.
- Led \$800K project to automate part grinding process, reorganize shop floor plan, and design over 20 machine fixtures.
- Designed universal clamp tooling allowing operators to easily set up, tear down, and adjust machine fixtures.
- Designed self-aligning pin system for plant machines to reduce downtime by 10,000 minutes—or 15%—annually.
- Championed the Workstation Risk Assessment process and generated tool to identify high-risk areas in the facility.

**Eaton Aerospace – Operations Engineering Intern | Beltsville, MD** May 2018 – August 2018

- Reverse-engineered, inspected, assigned repairs, and created teardown reports for incoming parts to repair station.
- Worked with team in Indonesia to generate 3D models of reverse-engineered parts and add to internal database.
- Collaborated with Pune, India team to assist in creation of new automated scanning tool for reverse-engineering.
- Created standard work for locked out floor machines, repair procedures, and in-house part status identification.

## PROJECTS

**Computational Fluid Dynamics Final Project | Austin, TX** January – May 2022

- Created a computer code to simulate supersonic flow over a step at varying Mach numbers, grid sizes, and step angles.
- Utilized a finite difference method to solve the 2D Compressible Euler Equations to resolve pressure, velocity, and density.
- Ran various combinations of step angle and Mach number to determine stability of selected numerical method and code.

## SKILLS & TRAINING

- Proficient in MATLAB, Excel VBA, and Microsoft Office Suite for Windows and Mac.
- Working knowledge of Python, LTSpice, CNC G-Code and M-Code, and Adobe Creative Cloud.
- Educational and industry experience with SolidWorks, CATIA V5, OpenFOAM, ABAQUS CAE, AutoCAD, LaTeX, and Enovia.

## OTHER EXPERIENCE

**UT Austin – Teaching Assistant | Austin, TX** August 2021 – Present

- Teaching Assistant for two semesters for Low-speed Aerodynamics; currently TA for Aircraft Design I and II.

**The Daily Texan – Associate Sports Editor | Austin, TX** September 2016 – May 2019

**104.9 FM The Horn – Audio Production Intern | Austin, TX** January 2018 – May 2018

# 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/<br>African<br>American | Hispanic/<br>Latino | American<br>Indian/<br>Alaska<br>Native | Other | Caucasian/<br>Non-<br>Hispanic | Pacific<br>Islander | Middle<br>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.*