

## EDGAR VIRGÜEZ, Ph.D.

260 Panama Street, Carnegie Institution for Science, Stanford University  
Stanford, California, United States  
evirguez@carnegiescience.edu | <http://sites.duke.edu/edgarvirguez/>

---

This document contains a selected list of a) scholarships and fellowships, b) honors and professional awards, and c) institutional service distinctions, including an extended description. The following list describes the number of items in each section and a hyperlink for easy navigation.

<a href="#">Scholarships and fellowships:</a>	9
<a href="#">Honors and professional awards:</a>	20
<a href="#">Institutional and professional service distinctions:</a>	18

Each item listed under each section identifies the award, distinction, and honor (**bolded**), provides an extended description, lists the supporting organizations (underlined), and reports the total amount of the award (expressed in current USD).

### Scholarships and Fellowships

**Total amount of scholarships and fellowships:** \$766,115

- 02/2022-12/2024 **[S9]. Postdoctoral research fellow** at Carnegie’s Department of Global Ecology at Stanford University. Selected to perform idealized modeling studies (e.g., macro-energy, integrated assessment, climate, and carbon-cycle modeling) to address climate and energy challenges. The fellowship supports engagement in projects resulting in research findings disseminated in high-impact and high-quality journals and scientific conferences, working under the supervision of Ken Caldeira, Senior Scientist (emeritus) at Carnegie Institution for Science, Stanford University, and Breakthrough Energy. Carnegie Institution for Science & Gates Venture. \$274,475.
- 07/2020-05/2021 **[S8]. Provost Fellow** identified as an early-career scholar with high potential to develop as a leader in the higher education sector. The fellowship supported the implementation of initiatives in Duke’s strategic plan, Together Duke: Advancing Excellence through Community, particularly elements that called for a university-wide appraisal of doctoral education as described by the Reimaging the Doctoral Education (RIDE) Committee. Working under the supervision of the Vice Provost for Interdisciplinary Studies, Ed Balleisen, the fellowship allowed the fellow to attend high-level discussion meetings to discuss the state of the implantation of the RIDE’s initiatives. Duke University Provost’s Office. \$39,128.
- 04/2020-12/2020 **[S7]. Energy Transition Fellow** recognized for developing research supporting North Carolina’s and South Carolina’s transition to zero-carbon energy systems. Supported to act as a clean energy advocate engaging with the region’s leading clean energy business and investors, policymakers, and advocacy organizations to inform the 2020 integrated resource planning (IRP) process. Energy Transition Institute. \$2,500.
- 09/2019-12/2021 **[S6]. Energy Doctoral Student Fellow** selected to act as an ambassador of the energy community at Duke and support the growth of the Duke University Energy Initiative. Identified as an active representative of energy-related

research who engages in meetings, projects, and collaborations across the university. Duke University Energy Initiative. \$4,000.

- 09/2019-05/2020 **[S5]. Bass Instructional Fellow: Digital Education Fellowship** recognized as a graduate student with high potential to integrate digital pedagogy into college and university instruction. Trained in using digital technologies to improve the learning process in college and university instruction. Selected as an inaugural member of the fellowship's first cohort. Duke University Graduate School and Bass Endowment. \$36,657.
- 09/2018-05/2019 **[S4]. Energy Data Analytics Ph.D. Fellow** recognized as a next-generation scholar trained to draw knowledge on the interaction of energy application areas and data science methods and qualified to wield data in pursuit of accessible, affordable, reliable, and clean energy systems. Selected as an inaugural member of the fellowship's first cohort. Alfred P. Sloan Foundation & Duke University Energy Initiative. \$18,943.
- 08/2016-02/2022 **[S3]. Nicholas School of the Environment Scholar** identified as a young scholar with high potential to restore and preserve the world's environmental resources while adapting to climate change and a growing population. As a promising scholar, the school's committed support to the student's Ph.D. Environment program in the Environmental Sciences and Policy division. Duke University. \$183,299.
- 08/2016-07/2020 **[S2]. Rodolfo Llinas International Fellow** selected as a promising young scientist with high potential to contribute to the development of Colombia's capital city, Bogotá. The fellowship supported the fellow's graduate studies at Duke University to develop research aiming to increase the understanding of climate change mitigation and the role of renewable energy resources in the energy transition towards decarbonized electric power systems. CEIBA Foundation and Bogotá Mayor's Office. \$178,700.
- 06/2009-12/2010 **[S1]. School of Engineering Graduate Scholar** identified as a young researcher with high potential to develop research that impacts Colombia's development. The scholarship covered the tuition and fees for the Master in Science degree in Environmental Engineering. Civil and Environmental Engineering Department, School of Engineering, Universidad de los Andes. \$28,413.

### **Honors and Professional Awards**

**Total amount of honors and professional awards:** \$29,925

- 10/2023 **[H20]**. Selected as an awardee of the **Carnegie DEI grant**, supporting the attendance to the 2023 National Diversity in STEM (NDiSTEM) Conference of the Society for the Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS). Participated in the conference with an oral presentation of a paper titled *Disparities in per capita energy consumption within and between countries*. Carnegie Institution for Science. \$2,500.
- 10/2022 **[H19]**. Selected as an awardee of the **U.S. Carbon Program Leadership Program**, supporting the North American carbon cycle community's

engagement, communication, and collaboration opportunities. Identified as a rising leader with the capacity to advance the program's broader diversity, equity, inclusivity, accessibility, and justice goals by disseminating research at scientific conferences and engaging with the program's audience. U.S. Carbon Cycle Science Program & North American Carbon Program. \$1,000.

- 03/2022 **[H18]**. Selected as one of the five finalists (*<0.1% of Duke's Class of 2022*) to be the **2022 Duke University commencement student speaker** and deliver a speech titled "The Duke University of 2037." The ceremony celebrates Duke's Class of 2022, comprised of ~1,700 undergraduates and ~4,100 graduate and professional students who completed their degree requirements between 2021 and 2022. The university-wide ceremony is held at the Wallace Wade Stadium with the attendance of the graduating class and their invited families and guests (~13,000 attendees). Duke University.
- 03/2022 **[H17]. Excellence in Activism Award** at the 2022 Latinx Awards ceremony, acknowledged for a distinguished career working to improve the Duke experience for members of underrepresented minorities, especially Latinos, advocating for equitable opportunities for all community members. Duke University's Center for Multicultural Affairs & Mi Gente.
- 02/2022 **[H16]. Best Student Paper Award** recognizing an exceptional research paper presented at the 2022 Annual Meeting of the American Association of Geographers by the Energy and Environment Specialty Group. Celebrated for outstanding research scholarship for the paper "Assessing the effect of incorporating land-use parcel-level data and local zoning ordinances when quantifying renewable energy resources potential." American Association of Geographers. \$400
- 05/2021 **[H15]. Chron15** identified as one of the 15 leaders, pioneers, or icons who embody Duke University values. Highlighted as an effective leader working to create an inclusive community and promoting an enhanced educational experience for all students. Duke University Chronicle.
- 04/2021 **[H14]. Advancing Diversity and Inclusion Award** recognized by the Energy and Environment Specialty Group as the inaugural recipient of the award. Identified as an early-career scholar with the potential to advance diversity and promote inclusion and interest in the field of Energy Geography. American Association of Geographers. \$620.
- 04/2021 **[H13]. International Awards Program: Graduate/Professional Academic Wizard of the Year** recognized for the achievements and contributions that benefit the international community at Duke, honoring the legacy of the Duke's International House and internationalism. Acknowledged as a high-achieving international student and a rising star in the higher education field. Duke University International House.
- 04/2021 **[H12]. Forever Duke Student Leadership Award** recognized as a graduating student who embodies the Forever Duke spirit in service to the university. Nominated by David Kennedy, Vice President of Alumni Affairs and Development, and Nicole Kempton, Chief of Staff to the Vice President of Alumni Affairs and Development. Identified as a strong advocate for the Duke

community. A community member exemplifying Duke's guiding principle of "knowledge in the service of society." A leader who leaves Duke in a better place than it was before. Selected as one of the 23 winners in 2021 from the ~5,800 Duke graduates (*<0.5% of Duke's Class of 2021*). Duke University & Duke Alumni Association.

- 01/2021 **[H11]. Graduate School Dean's Award for Excellence in Teaching** celebrated and honored as an exemplary teacher engaged in teaching Duke undergraduate or graduate students. Identified as a student who best exemplifies the characteristics of effective college teaching while preparing for lives of service, leadership, and teaching. Most prestigious teaching award for graduate students at Duke (*<0.1% of Duke's Ph.D. students*). Duke University Graduate School. \$2,000.
- 01/2020 **[H10]. K Patricia Cross Future Leader Award** recognized as a graduate student who shows exemplary promise as a future leader of higher education, demonstrating a commitment to developing academic and civic responsibility in themselves and others, and whose work reflects a strong emphasis on teaching and learning. Selected as one of the seven recipients of 2020 from a pool of >200 nominees from 118 institutions in the United States. Association of American Colleges & Universities (AAC&U).
- 01/2020 **[H9].** Travel award to attend the **Graduate Students Charting the Course for the Future of the Academy Workshop** hosted by the University of California Los Angeles (UCLA) and organized by the Beyond the Academy group (an international network of sustainability researchers dedicated to institutional reform in academia). Beyond the Academy & UCLA. \$1,300.
- 12/2019-12/2020 **[H8]. Graduate School Professional Development Grant** to institute a year-long mental health seminar program to continue to provide mental health resources to graduate students of the Nicholas School of the Environment. Duke University Graduate School. \$1,250.
- 02/2018-03/2018 **[H7]. Third place at the 13<sup>th</sup> Annual Energy Symposium study case competition at Columbia University** for designing a novel community microgrid as a group member of the Team Duke Microgrids. Columbia University & Booz Allen Hamilton. \$500.
- 08/2017-07/2018 **[H6].** Grant for creating and establishing the **Electricity in Latin America and the Caribbean (ELAC) Working Group**. The group seeks to create a space for studying electricity-related challenges and opportunities in the energy sector of Latin America and the Caribbean through the lens of environmental sustainability. Center for Latin American and Caribbean Studies (CLACS) & Duke University Center for International and Global Studies. \$5,000.
- 03/2017-04/2017 **[H5]. People's Choice Award at The Economist's Which MBA? study case competition** as a group member of Team iRISE (Integrating Renewables Into Sustainable Enterprises). The Economist and NRG Energy. \$3,000.
- 09/2015-10/2015 **[H4]. Australia Awards International Fellow** for the intensive three-week program "Applying research for sustainable and inclusive growth: linking universities, industry and government" (~113 hours), selected as Colombia's

representative. The program objective was to promote long-lasting collaborations between South America and Australia, integrating academia, industry, and government. Chosen as the panelist representing the fellows at the final research symposium. Department of Economic Development, Jobs, Transport and Resources & Victoria State Government. \$10,000.

- 12/2010 **[H3]. Maximum distinction for graduate studies** (maximum degree with honors for graduate studies) in the Master of Science in Environmental Engineering. Obtained a top 3% GPA (compared to historical records of the program) and the maximum grade in the master thesis dissertation. School of Engineering, Universidad de los Andes.
- 05/2008 **[H2]. Procter & Gamble's (P&G) Prestige Award** for outstanding academic records and invaluable leadership conditions. The program recruits young talented members and offers them the possibility to join the company for long-term development. Procter & Gamble (P&G) Colombia. \$2,355
- 12/2003 **[H1]. First place (Social Development Project Category) and best project presentation** at the ExpoAndes study case competition with the project: "REDADE - Red de Distribución y Apoyo al Desempeño Estudiantil". School of Engineering, Universidad de los Andes.

### **Institutional Service Distinctions**

- 11/2023-04/2024 **[I18]. Chair of the Duke University's Graduate and Professional Young Trustee nominating committee** (twelve members). The nominating committee oversees the screening, interviewing, assessment, and nomination process of the Graduate/Professional Young Trustee candidates, providing a recommendation of one Young Trustee to Duke University's President. Duke University Board of Trustees.
- 10/2023-06/2024 **[I17]. One of the fourteen members of the Duke University Climate Commitment Task Force**, tasked with analyzing and assessing the scope, scale, feasibility, timing, and structure of the university-wide campaign initiative on climate. The task force works as a sounding board for campaign priorities/messaging, defining a novel campaign volunteer structure and recommendations for engagement strategies. Duke University.
- 07/2023-06/2026 **[I16]. One of the twelve members of the Justice, Equity, Diversity, and Inclusion (JEDI) Committee** of the American Association of Geographers (AAG). The committee is responsible for enhancing diversity, promoting inclusion, and broadening participation in Geography by a) advancing AAG leadership capabilities for JEDI, b) Establishing AAG organizational tools to support JEDI, and c) Integrating JEDI into AAG programming. American Association of Geographers.
- 07/2023-06/2024 **[I15]. One of the five trustees (including a Nobel Prize laureate) on the Duke University Board of Trustees Committee on Honorary Degrees**, awarding honorary degrees to affirm the university's vital interest in and connection with excellence in any valued aspect of human endeavor. Duke University Board of Trustees.

- 07/2023-06/2024 **[I14].** One of the nine trustees on the **Duke University Board of the Trustees External Engagement Committee**, acting as a strategic forum to review, assess, and advance issues related to the university's external relations (including its upcoming multi-billion-dollar philanthropic campaign). Duke University Board of Trustees.
- 06/2023-06/2025 **[I13].** One of the seven members appointed to the **Executive Editorial Board for the Environmental Research: Energy** journal. Recognized as a prominent scientist in the energy field, tasked with giving the journal its scientific authority, providing the publishing team with intelligence on the latest scientific and technological developments, and advocating for the journal within scientific communities. Institute of Physics (IOP) Publishing.
- 11/2022-12/2023 **[I12].** One of the **seven founding members of the AAC&U's Future Leaders Society advisory committee**. The advisory committee provides counsel for the management of the Future Leaders Society program, which offers rising higher education leaders access to unique, cross-disciplinary opportunities for professional development, networking, and mentorship. Association of American Colleges & Universities (AAC&U).
- 11/2022-04/2023 **[I11].** One of the **eleven members of Duke University's Graduate and Professional Young Trustee nominating committee**. The nominating committee oversees the screening, interviewing, assessment, and nomination process of the Graduate/Professional Young Trustee candidates, providing a recommendation to Duke University's President. Duke University President.
- 09/2022-06/2023 **[I10].** One of the eight members (two trustees, one chief communications officer, one chief of staff and board liaison, one chief of human resources, one science deputy, one director of development, & one research scientist) of **Carnegie's Task Force: Additive Brand Refresh**. The task force was tasked with clarifying the institution's brand strategy and story to increase the understanding of its unique position and the differential value from peer organizations. Carnegie Institution for Science.
- 08/2022-08/2023 **[I9].** One of the nine trustees (including a Nobel Prize laureate) on the **Duke University Board of Trustees Graduate and Professional Education and Research Committee**, overseeing the graduate and professional education and research at Duke University. Duke University Board of Trustees.
- 07/2022-06/2025 **[I8].** Selected as a **board member (Young Trustee) of Duke University's highest governing body, the Board of Trustees**. Recognized as an individual of outstanding character, ability, and vision from the current ~10,000 graduate and professional student body and ~8,000 graduate or professional alums of Duke's Class of 2021 and 2022. Identified as an emerging leader with the qualities necessary to act as a university fiduciary responsible for procuring Duke's long-term health, overseeing and aligning its strategic direction, educational policy, finances, and operations with its mission. Duke University Board of Trustees.
- 10/2021-01/2022 **[I7].** One of the five members (one associate vice provost, one executive director, two center directors, & one graduate student) of the search committee

for the **Senior Associate Dean for International Students** of Duke University. Duke University Vice Provost/Vice President of Student Affairs.

- 08/2021-05/2022 [I6]. One of the nineteen members of the **Duke University Racial Equity Advisory Council: Campus Climate & Assessment** committee. Charged with: a) operationalizing and coordinating the critical concepts articulated by the University President's strategy on racial equity, diversity, and inclusion; b) Establishing a program of coordinated surveys to assess and inform progress in addressing bias and promoting respect, meaningful inclusion, and true equity; c) Holding leadership accountable through the annual review process for promoting a more inclusive, equitable Duke. Duke University President.
- 09/2020-05/2021 [I5]. One of the twelve members (nine trustees, one faculty, one undergrad student, & one graduate student) of the **Duke University Board of Trustees Resource Committee** overseeing the university's financial, physical, and human resources. Duke University President & Duke University Board of Trustees.
- 01/2020-04/2020 [I4]. One of the sixteen members (one trustee, one distinguished professor, one senior associate dean, one assistant vice provost, six senior program directors, two alumni, three undergraduate students, & one graduate student) of the search committee for the **Assistant Vice President for Student Affairs** of Duke University. Duke University Vice Provost/Vice President of Student Affairs.
- 12/2019-02/2020 [I3]. One of the twelve members (one dean, one trustee emeritus, one executive vice provost, two vice presidents, one department chair, three distinguished professors, one undergrad student, one graduate student & Duke Management Company's president) of the search committee for the **Executive Vice President** of Duke University. Duke University President.
- 06/2019-05/2020 [I2]. One of the twelve members (nine trustees, one faculty, one undergrad student, & one graduate student) of the **Duke University Board of Trustees Resource Committee** overseeing the university's financial, physical, and human resources. Duke University President & Duke University Board of Trustees.
- 06/2018-05/2019 [I1]. One of the eighteen members (nine trustees, one vice president, four faculty, two undergrad students, & two graduate students) of the **Duke University Board of Trustees Strategic Task Force: Activating the Global Network**, charged with developing a plan for the next-generation engagement platforms to extend and deepen all aspects of university life. Duke University President & Duke University Board of Trustees.