Department of Earth & Environmental Science congratulates the graduating seniors and wishes them success in reaching their goals!
Congratulations to the Earth & Environmental Science Class of 2020!

Berit Batterton majored in Earth Science with concentration in Environmental Science and Biology.

She is interested in marine science and STEM education. She completed a thesis titled "Studying the Impact of Upstream Dam Sediment Capacity on Seagrass in the Upper Chesapeake Bay through Coupled Remote Sensing and In-Situ Data", mentored by Dr. Jane Dmochowski.

She was a member of Penn Varsity Softball team for four years, and she volunteered with Big Brothers Big Sisters and West Philly Tutoring Project.

After graduation, she will be attending the University of Texas at Austin in the fall to get an MS in Marine Science.
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**Staci Bell** is an Earth Science major with a concentration in Environmental Science. She also has a minor in Statistics from Wharton School.

She spent her junior year working in Dr. Plante's soil science laboratory as a research assistant, primarily doing statistics and data analysis, and two summers interning with the USDA-NRCS as a Soil Conservationist Pathways Intern.

She will be working at the U.S. Census Bureau as a Survey Statistician with the Small Area Estimates Branch.
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Grace Boroughs was a Sustainability and Environmental Management concentration and minored in Urban Studies and Fine Arts.

For her thesis, she calculated California’s potential to implement floating solar panels on its reservoirs. Grace was involved in the West Philadelphia Tutoring project, Mortar Board Honors Society and Penn Reflect. On campus she worked for Penn Program in Environmental Humanities as a Public Research intern and also for Student Disability Services as a proctor.

She was born and raised in Johannesburg, South Africa and is very interested in climate justice. Moving forward, Grace hopes to work on supply chain sustainability.
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Melissa Frankil majors in Environmental Studies with a concentration in Environmental Policy and Application. This focus led her to a path towards sustainability in urban systems.

She is now working towards a Master’s in Sustainable Transportation and Infrastructure Planning at the Weitzman School of Design at Penn. She is most interested in learning about reworking existing transit networks to better service people and attract new riders who would have driven otherwise, which goes hand in hand with pedestrian and bicycle planning to complete "the last mile" from origins and destinations with transit lines.

This summer she will intern at Volpe National Transportation Systems Center (remotely) as a policy analyst.
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Daniel Furman is an Earth Science major with a concentration in Environmental Science. He researched the material physics of ice with the experimental geophysics group led by Dr. David Goldsby. He is an avid rock climber, surfer, and hiker. His plans after graduation are to study data science in graduate school.
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Paulina Gazin majored in Earth Science with a concentration in Environmental Science. Additionally, she completed minors in Biology and in Sustainability & Environmental Management. This fall, she is excited to move to NYC and join YipitData in the position of data specialist.
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Marcelo Gracia is an Earth Science major concentrating in Environmental Science.

He is currently working under Professor Sallan researching extinct fishes.

After graduation he plans on continuing his job search.
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Noah Hoffman majored in Earth Science with a concentration in Environmental Studies.

After graduation, he plans to attend the University of Colorado for a Master’s Degree in Environmental Science. He looks forward to spending more time in forests and hitchhiking through Europe once this pandemic winds down.
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**Alexandre Imbot** has graduated with a degree in Environmental Studies, concentrating in Sustainability and Environmental Management.

As a founding team member of the Penn Program in Environmental Humanities *Futures Beyond Refining* project, he is co-creating, communicating, and improving tools to shape the cleaner, more equitable future we deserve.
Emma Johnson is an Earth Science major with a concentration in Environmental Science and a minor in Chemistry.

Her thesis research focused on environmental health and environmental justice surrounding lead poisoning and was entitled "Knowledge of Lead's Health Risks and its Possible Effects on Health in Neighborhoods in Philadelphia, PA and Lancaster, PA."

After graduation, she plans to attend medical school and eventually work as a public and environmental health advocate. She hopes to live somewhere where she can hike and enjoy the outdoors often.
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Colleen Kutschera majored in Environmental Studies with a concentration in Global Environmental Systems and a minor in French and Francophone Studies. Her academic interests include environmental humanities and food justice. Her thesis is titled "Addressing Food Waste in Philadelphia: The Role of Food Policy Councils."

Colleen will be serving as the Environmental Art intern at the Schuylkill Center for Environmental Education this summer. In the future, she hopes to follow a career that allows her to use both her creativity and her environmentalism while serving her community.
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Richard Ling is a Systems Engineering and Environmental Science major in the Vagelos Integrated Program in Energy Research (VIPER).

At Penn, he conducted research in the Gorte Lab (solid oxide fuel cells), Braham Group (lifecycle energy modeling), and Olsson Lab (magnetic field energy harvesting). He was also involved in the Penn Eco-Reps program, the Kleinman Center, Penn music ensembles, intramural basketball, the Netter Center, and more.

After graduation, Richard will be working for Clark Energy Group (CEG) Solutions in Arlington, VA, where he hopes to have an impact in the environmental building industry.
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Emma Loving is an Environmental Studies major concentrating in Sustainability and Environmental Management.

For her senior thesis, she worked on a rooftop solar PV development plan for the Energy Coordinating Agency of Philadelphia. She is very interested in renewable energy policy and development as well as climate justice at the international law level.

After graduation, she will work for Accenture Strategy in New York City. She hopes to attend law school one day.
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Jeff Manner is a double major in Biology with a concentration in Ecology and Evolutionary Biology and Earth Science with a concentration in Environmental Science. As a non-traditional student, Jeff spent 15 years as a chef before earning an Associate in Science in Mathematics and Natural Science with high honors from Delaware County Community College.

While at Penn, Jeff was heavily involved in research in the fields of biology and geology. He helped assemble a database of Devonian fish body sizes for Dr. Lauren Sallan. He interned at the Stroud Water Research Center under Dr. Melinda Daniels studying soils, sediment transport, and the geomorphology of White Clay Creek. Jeff also conducted his independent studies project at Stroud studying fish movement and population dynamics with Dr. John Jackson.

After graduation Jeff plans to attend graduate school where he will continue his studies in freshwater ecology.
Bonnie Mendelson is an Earth Science major with a concentration in Environmental Science.

She conducted research in Evolution and Ecology of Disease Systems laboratory, focusing on experimental modeling of multi-host parasite systems.
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Alana Paccione is graduating with a B.A. in Environmental Studies and a concentration in Environmental Policy and Application, along with a minor in Hispanic Studies. She will be a law student at Temple Beasley School of Law starting in the fall of 2020. She is passionate about environmental justice issues within urban areas, and hopes to address these as an environmental lawyer in the future.

Alana’s research at Penn included an in-depth study of the vulnerabilities of the water system in western Puerto Rico, where residents often suffer from water service interruptions. She traveled to the island to interview important stakeholders and distribute surveys to community members.

In her free time, Alana loves baking and spending time with her pug, Lola.
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Nicole Posadas majored in Earth Science, with a concentration in Environmental Science. As part of her undergraduate experience, she assisted with conducting research on soils in Dr. Plante's lab to understand the fate of biochar in soil, and on aerosol composition, which is specific to a beach in Central California in Dr. Lynn Russell's lab. Her senior thesis is titled "Quantifying the Organic Functional Group Composition of Aerosols at Pismo Beach".

Her favorite course at Penn was Meteorology and Earth's Climate System. In her free time, she enjoys watching movies, studying sign language, and playing ultimate frisbee.

After graduation, she hopes to gain working experience for a year, before pursuing a Master's degree related to climate science and/or environmental risk management starting in the fall of 2021.
Nyazia Sajdah-Bey concentrated in Environmental Science.

She spent her free time working on a fossil fish biomechanics project in Dr. Lauren Sallan's Paleobiology lab. She served the sustainability community as campus engagement chair in the Undergraduate Advisory Board and marketing chair for SSAP. She is a proud member of Epsilon Eta.

This summer, she is working as a summer researcher at Scripps Institution of Oceanography. She hopes to pursue a meaningful career in marine science.
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Kirk Waller majored in Environmental Studies with a concentration in Sustainability and Environmental Management. He spent a semester abroad in Costa Rica and wrote a senior thesis on the impact that a small dam removal project in his hometown had on local property values. He hopes to pursue his interest in investing in his career. He plans on spending time with his family after he graduates.
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**Abigail Waugh** is majoring in Environmental Science and Biology with a minor in Anthropology.

She is interested in renewable energy, sustainability, and dog-spotting.

After graduation, she will work as a Policy Analyst at APPRISE, Inc., an energy research institution.
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Zachary Whitlock majored in Earth Science and Materials Science and Engineering.

At Penn, he participated in research efforts focused on water technology and access. He was an undergraduate fellow at the Kleinman Center for Energy Policy and a Supported Student at the Water Center at Penn.

After graduation, Zach plans to pursue a Master’s degree in the United Kingdom.
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Oscar Aguila  Earth Science major
Michael Berk  Environmental Studies major
Hyuntae Byun  Earth Science major
Maxwell Cohn  Environmental Studies major
Olivia Myer   Earth Science major
Felix Shen    Earth Science major
Kyle Wilson   Earth Science major