Kimberly Huynh

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EDUCATION

- **University of California, Berkeley** — Berkeley, CA
  Doctor of Philosophy in Environmental Engineering — *August 2015 – May 2021 (expected)*

- **Northwestern University** — Evanston, IL
  Master of Science in Mechanical Engineering — *January 2013 – December 2014*

- **Northwestern University** — Evanston, IL
  Bachelor of Science in Environmental Engineering — *September 2010 – June 2014*

EXPERIENCE

- **University of California, Berkeley** — Berkeley, CA
  Graduate Student Researcher — *2015 – Present*
  - **Project Management**: Developed, budgeted, and executed three separate fieldwork campaigns to measure greenhouse gas emissions from wetlands in rural Arkansas and a remote bog in British Columbia, Canada. Organized travel logistics and data-sharing with collaborators at two other universities.
  - **Research**: Conceived original scientific questions and conducted extensive literature reviews.
  - **Programming and Data Analysis**: Prototyped programmable cameras using Raspberry Pis and Python. Wrote machine-vision analysis routines and integrated these with the statistical analyses needed for large data sets.
  - **Mentorship and Team Management**: Trained and worked closely with five undergraduate students to complete laboratory work. Assembled a year-long speaker series for students to share their research with colleagues.

- **GiveWell** — Oakland, CA
  Content Editor and Research Analyst — *2019 – Present*
  - **Writing and Editing**: Developed summaries of conversations between domain experts and GiveWell, a nonprofit that assesses and recommends high-impact charities. Fact-checked and edited research and intervention reports.
  - **Assessment**: Examined financial reports and public health surveys from top charities. Prepared information used for charity and grant recommendations, which exceeded $100 million in total money moved in 2019.

- **University of California, Berkeley** — Berkeley, CA
  Graduate Student Instructor — *2020, 2017-2018, 2015-2016*
  - **Teaching**: Taught three different classes covering data analysis, scientific writing, and fluid mechanics. Developed formative and summative assessments, evaluated student performance, and held office hours.
  - **Pedagogy**: Crafted course policy and guidelines using a trauma-sensitive lens. Pioneered an online, open-source assessment platform that centers student mastery and encourages a growth mindset. Presented the platform and its benefits to student learning to more than 500 attendees at the Teaching Conference for First-Time GSIs.

OUTREACH

- **Science Policy Group at Berkeley (2018 - Present)**: Elected as Vice President of External Affairs. Founded and led STEMVotes, an initiative to improve voter turnout by students in science, technology, engineering, and math. Co-chaired a speaker series on high-profile science policy issues, such as racial and gender bias in artificial intelligence.
- **Civil/Environmental Engineering for Anti-Racism (2020)**: Supported movement-building to create and sustain a more inclusive department. Studied anti-racist literature and engaged with other students to disseminate knowledge further. Organized student-led discussions on environmental racism. Identified collaborators at the university level.
- **Crisis Support Services of Alameda County (2018 - 2019)**: Completed a three-month training program on suicide prevention, trauma-informed care, substance abuse, and mental health concerns. Counseled at least fifty individual callers in distress and assessed them for risk of suicide. Collaborated and empathized with clients to de-escalate high-risk situations. Provided over 200 hours of an essential service to clients primarily from marginalized communities.

COURSEWORK

- **Certificate in Remote Instruction (2020)**: Received 8 weeks of training on high-quality pedagogical approaches and integrating equity and inclusion effectively into remote learning environments. Created and peer-reviewed course material. Invited to serve as a Remote Instruction Leadership Fellow based on excellence.
- **Multicultural Education Program & Restorative Justice Inclusivity Certificate Program (2018)**: Completed a 20-hour program on workplace diversity, unconscious bias, and cross-cultural communication. Applied restorative responses to conflict and microaggressions. Practiced deep listening to promote respect and celebrate differences.