

# ANDREA CHEUNG

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## EDUCATION

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**Master of Environmental Science and Management** (Expected June 2020)

**Bren School of Environmental Science & Management** – University of California, Santa Barbara (UCSB)

Specialization: Corporate Environmental Management

Highlighted Coursework: Marketing, Life Cycle Assessment (LCA), Advanced Data Analysis, Business in the Environment, Business Strategy and Leadership, Entrepreneurship, Carbon Accounting

**Bachelor of Science in Animal Biology** (June 2016) – University of California, Davis

## MASTER'S GROUP SUSTAINABILITY PROJECT – ADIDAS AG

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***Quantifying and Managing Microplastics from Footwear Outsole Loss Through Wear*** (4/19–Present)

**Role:** Project Manager, Internal | **Client:** Adidas AG

- Directing a 5-person team that consults Adidas on microplastic pollution generated by footwear
- Wrote the initial proposal, facilitated UCSB and Adidas communications, and led the planning of the first experimental footwear abrasion test that consisted of 60 volunteers

## RESEARCH, MARKETING, & MANAGEMENT EXPERIENCE

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**Microfiber Research Assistant – Holden, Geyer, & Suh Research Group**, Santa Barbara, CA (2/20–Present)

- Conceptualize test methods that quantify microfibers emitted during machine drying of natural and synthetic apparel, with a 7-person team, for a project funded by Outdoor Industry Association
- Produce research recommendations to principal investigators by conducting an extensive literature review on existing microfiber studies and market research on the apparel industry

**LA Cleantech Market Transformation Intern – Los Angeles Cleantech Incubator**, Los Angeles, CA (5/19–9/19)

- Supported LACI/FASTLinkDTLA in the development of a DTLA-wide survey on mobility demand by revising survey questions and contacting key DTLA stakeholders (business leaders and community advocates)
- Created content (photos and copywriting) on social media platforms (Instagram, Twitter, Facebook) for FASTLinkDTLA's 8-month microtransit pilot, flexLA, resulting in 32% increase in ridership in 3 months

**Staff Research Associate – University of California, San Diego School of Medicine**, San Diego, CA (11/16–9/18)

- Hired and lead a research team of 5 undergraduates, and streamlined training and productivity by writing and cataloging over a dozen protocols that focused on anti-malarial drug exploration
- Managed and inventoried 2000+ commercial and experimental compounds; ensured data quality by updating, analyzing, and reporting out data to a consortium of universities on collaborative databases

**Junior Research Scientist – University of California, Davis**, Davis, CA (5/15–9/16)

- Spearheaded a year-long project to explore benefits of sustainable organic soil management
- Mentored 2 students participating in the Young Scholars, a research program for high school students, by helping them design and present their own research at an annual symposium

## ADDITIONAL EXPERIENCE

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**Net Impact Leadership Team– Bren School**, Santa Barbara, CA (4/19–Present)

- Created multiple networking opportunities for Bren students by coordinating discussions with industry professionals, planning speaker panels, and orchestrating workshops and site tours
- Designed and authored event emails (BeePro, MailChimp) for over 60 members; managed chapter's budget

**Environmental Studies Graduate Teaching Assistant – UCSB**, Santa Barbara, CA (9/18–Present)

- Taught statistical fluency and data presentation in 3 Microsoft Excel computer lab sessions per week
- Created lesson plans and instructed 3 discussions of 20-25 undergraduate students per week

## SKILLS

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**Computer:** Microsoft (Word, Excel, PowerPoint), R, Tableau (basic), Adobe Photoshop & Illustrator (basic)

**Publications:** in 4 scientific journals (*Science*, *Nature Communications*, *Journal of Chemoinformatics*)