

Lukas T WinklerPrins

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Experience

<u>USGS Pacific Coastal & Marine Science Center</u> Assistant Researcher Santa Cruz, CA	June 2019 - present	Performed field work, instrumentation, and data processing to reveal sediment properties in San Francisco Bay. Additional mapping work in ArcGIS.
<u>Renaissance Arts Academy</u> Instructor / Advisor Los Angeles, CA	June 2017 - June 2018	Taught 6-12th grade math and elective "Water Science" class. Curriculum development. Building maintenance and occasional stage design.
<u>Civic Projects</u> Intern Los Angeles, CA	Jan 2017 - March 2017	Researched ADA-compliance of low-traffic near-transit city blocks, and human health effects of proximity to freeways.
<u>Standard Library</u> Strategist Los Angeles, CA	Sept 2016 - March 2017	Managed creation of a type design software project. Web design/development, some product development in python.
<u>Brown Design Workshop</u> Development Coordinator Providence, RI	Sept 2015 - June 2016	Built capacity in events, staff, and physical assets. Initiated cross-campus collaborations. Fabrication & machine maintenance.
<u>Thicket Labs</u> Research & Development New York, NY	June - Aug 2014	Prototyped code for deployment in network-analysis software, researched bridges between fuzzy cognitive modeling and social systems applications.
<u>Community Systems Fdn.</u> Intern New York, NY	June - Aug 2012	Designed and created web dashboard for Millennium Development Goal monitoring. Proposed appropriate metrics for a multi-hazard index.

Education

M.S.Environmental Engineering, UC Berkeley
In-progress; anticipated December 2019.
Focus areas in restoration, coastal morphology, and infrastructure hazards.

B.S. Applied Mathematics, Brown University
December 2015. Transfer student.
Focus areas in partial differential equations and math pedagogy.

Skills

Mathematical Modeling	MATLAB	QGIS/ArcGIS
Writing & Editing	python	Adobe Illustrator
Design & Fabrication	git	Microsoft Excel

I have developed educational programs and skill-building workshops at Brown University, RISD, BWxD Conference, AS220, Yale University, the Free School of Architecture, and more.
I am NOLS Wilderness First Aid Certified. In my spare time, I enjoy reading and surfing.