

Freesoul-Kofi El Shabazz-Thompson

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 Pittsburgh, PA (USA) / Iture, Elmina (Ghana)

Education

Northwestern University, Evanston IL
 McCormick School of Engineering
 Segal Design Institute
 Major: **Manufacturing and Design Engineering**
 Graduation: September 2019
 GPA: 3.1/4.0

Bio

"I'm a designer, engineer, and artist pursuing work in regenerative design. I'm interested in designs pertaining to systems, and how communities and individuals can be engaged differently to iterate on the institutions, structures, products and cultures that impact their lives the most.

Experience

Artist Educator in Residence CCEEE Pittsburgh Public Schools
 March 2020, Pittsburgh PA *interrupted by covid19
 mentored continental african middle & high schoolers via visual arts, collaborative project WIP

Design Engineer (Hardware Lead) Cattle Tech
 winter 2018 - summer 2019, Evanston IL & Sisaket Thailand
 "researched, designed, prototyped and tested software and hardware for virtual cattle containment for client Raitong Organics Farm"

Admin & Design Aide Segal Design Institute
 Fall 2018 - Summer 2019, Evanston IL
 "graphic design, administrative tasks and design/build projects for the department"

Engineering Intern LTA Research & Exploration llc
 Summer 2018, Mountain View CA
 "research and design, rapid prototyping and manufacturing for lighter-than-air technology"

Compass Peer Mentor Northwestern University
 Fall 2017 - Summer 2018, Evanston IL
 "design of social events & workshops; peer mentor to "pod" of 4 compass students"

Youth Philanthropy Intern The Heinz Endowments
 Summer 2015, Pittsburgh PA
 "researched, created rfp's & design constraints–awarded \$25,000 to pittsburgh non-profit; produced blog, video and public radio project hosted at heinz.org"

Skills

Studio

3d printing
 injection molding
 shop (machine/hand)
 [cnc] milling (manual, hass)
 sewing

Programs

adobe photoshop
 adobe premier pro
 cad + cam (solidworks, nx)
 rendering (keyshot 8)
 ableton live
 arduino ide (learning)
 osx + windows factory apps

Computation

html, css
 matlab
 python
 git
 js (learning)

Language

english
 chinese (mandarin hsk2)
 fante (beginner)

Soft

empath
 research
 design thinking
 growth mindset
 self-direction
 intercultural
 teammate