

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 experimental sculptor 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. The core of my work is about exploring and (re)creating relationships with natural and human-made processes in order to use all we have towards generating wholeness of experience for all.

experience

ccee pgh public school, pittsburgh pa **artist educator in residence**
march 2020 *interrupted by covid19
mentored continental african middle & high schoolers via visual arts, collaborative project wip

cattle tech, evanston il **design engineer (hardware lead)**
winter 2018 - summer 2019

"researched, designed, prototyped and tested software and hardware for virtual cattle containment for client *raitong organics farm, sisaket thailand*"

segal design institute, evanston il **admin/design aide**
fall 2018 - summer 2019

"graphic design, administrative tasks and design/build projects for the department"

ita research & exploration llc, mountain view ca **engineering intern**
summer 2018

"research and design, rapid prototyping and manufacturing for lighter-than-air technology"

northwestern university, evanston il '**compass**' peer mentor
fall 2017 - summer 2018

"design of social events & workshops; peer mentor to "pod" of 4 compass students"

aon studios, chicago il **media intern**
fall 2016 - winter 2016

"photographed, filmed & edited content for artists; co-produced interviews"

the heinz endowments, pittsburgh pa **youth philanthropy intern**
summer 2015

"researched, created rfp's & design constraints–awarded \$25,000 to pittsburgh non-profit; produced blog, video and public radio project hosted at heinz.org"

freesoul-kofi el shabazz-thompson

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pittsburgh, pa (usa)
iture, elmina (ghana)

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
c++ (learning)

language

english
chinese (mandarin hsk2)
fante (beginner)

soft

empath
research
design thinking
growth mindset
self-direction
intercultural
teammate

awards and support

resnick family fund (cattle tech)
siemens nx design competition
(northwestern university 2018)