

# 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

### **Intern at Phipps Conservatory**

June 2020 - Present, Pittsburgh PA  
Horticulture and Botanic Practice; Maintained Center for Sustainable Landscapes, Exhibit Staging Center beds and plants, designed portions of Tropical Forest Patio display

### **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**

cad + cam  
solidworks  
nx11  
inventor  
rhino (beginner)  
keyshot 8  
blender (beginner)  
ableton live  
arduino ide (learning)  
adobe photoshop  
adobe premier pro  
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  
team player