Freesoul 'Sol' El Shabazz-Thompson

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"In search of Research and Development Roles in Service, Experience, and Product Design Engineering."

Northwestern University, Evanston Illinois
McCormick School of Engineering | Segal Design Institute
BS Manufacturing and Design Engineering
Graduated September 2019, GPA 3.1/4.0

AI Trainer with Open AI [Freelance]
August 2020 - September 2020, Remote
Train AI systems to write summaries by reading, writing, comparing, and critiquing.

Intern: Phipps Conservatory
Summer 2020, Pittsburgh PA
Horticulture and botanic Practice; maintained and designed plants and displays. Designed and presented landscape architecture changes for water savings, user experience, and aesthetic evolution.

Artist Educator in Residence: CCEEE Pittsburgh Public Schools
March 2020, Pittsburgh PA [interrupted by Covid-19 Pandemic]
Mentored middle & high school students via collaborative visual arts.

Design Engineer with CattleTECH [Interdisciplinary Design Projects Capstone]
Winter 2018 - Summer 2019, Evanston IL & Sisaket Thailand
Research and development, design, and manufacture of hardware, wearable and software for visibility and virtual containment of cattle for client: Raitong Organics Farm.

Admin & Design Aide with Segal Design Institute, Northwestern University
Fall 2019 - Summer 2019, Evanston IL
Graphic design, administrative tasks, and design & build project for department events.

Engineering Intern with LTA Research and Exploration
Summer 2018, Mountain View CA
Research and development, design, rapid prototyping and manufacturing for lighter-than-air technology.

Compass Peer Mentor with Northwestern University Student Enrichment Services
Fall 2017 - Summer 2018, Evanston IL
Event and workshop planning and public speaking; peer mentor to "pod" of four first year students.

Soft Skills
Conceptual Thinking
Socially Oriented
Growth Mindset
Holistic Design & Systems Thinking
Adaptable
Collaborator
Inter-cultural
Somatic Empath

Language
English
Chinese [Mandarin HSK2]
Ghanaian Fante [Beginner]

Processing
HTML & CSS
Matlab
Python
Git

Maker
Rapid Prototyping
3D Printing
Injection Molding
Machine Shop
CNC & Manual Milling
Sewing
Mechatronics

Programs
CAD + CAM: Solidworks, Siemens NX, Autodesk Inventor
Render: Keyshot 8, Inventor Studio, Blender [beginner]
Audio: Ableton Live 9 & 10, Audacity
2D: Adobe Photoshop & Illustrator, Figma
OSX & Windows Factory Apps

Awards and Support
Resnick Family Fund for CattleTECH Field Research in Thailand
Siemens NX Northwestern Design Competition
2016 IDeaL Education Foundation Scholarship