

School Address:
5500 S. University Ave., Chicago, IL 60637

Permanent Address:
16741 Harbor Court, Weston, FL 33326

EDUCATION

THE UNIVERSITY OF CHICAGO

Bachelor of Science in Computer Science

Chicago, IL

Expected June 2022

- **Honors & Awards:** Odyssey Scholar; Winner of Civic Tech Challenge for ThinkChicago 2019

HAWAII PREPARATORY ACADEMY

Baccalaureate Degree – Secondary Education

Kamuela, HI

August 2014 - May 2018

- **Honors & Awards:** Wayne Joseph Scholarship, Woodson K Woods IV Scholar, Engineering Award 2017

EXPERIENCE

UNIVERSITY OF CHICAGO MEDICINE

Design Engineer

Chicago, IL

March 2019 – Present

- Collaborating with Dr. Daniel Ginat, Assistant Professor of Radiology and Director of Head and Neck Imaging at The University of Chicago Hospital
- Designing and developing a passive driver for Magnetic Resonance Elastography imaging of the head and neck regions.

VOLTAIC SYSTEMS

Prototype Engineer

Brooklyn, NY

June 2019 – August 2019

- Designed and integrated solar solutions to IoT applications/projects, specifically LoRa/LoRaWAN
- Conducted quality assurance and control testing on custom solar panels for industrial applications

COMPUTER SCIENCE INSTRUCTIONAL LABORATORY (CSIL)

Software Specialist

Chicago, IL

February 2019 – Present

- Manage administrative systems such as kiosk software, Ansible & Mac imaging, software backups, VM machines etc.
- Conduct services in Software Development and System Administration such as problem solving for hardware and asynchronous client-server communication
- Administer 100+ Macintosh and Ubuntu machines while providing user support for students and faculty

HISEAS & BASALT - NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Research Associate

Big Island, HI

September 2016 – May 2018

- Selected to participate in energy and data management for NASA project dealing with lava terrains
- Managed scientific fieldwork conducted under simulated Mars mission constraints
- HI-SEAS - Hawai'i Space Exploration Analog and Simulation
- BASALT - Biologic Analog Science Associated with Lava Terrains

CANADA-FRANCE-HAWAII TELESCOPE

Database Specialist Intern

Kamuela, HI

October 2016 - May 2018

- Worked with hardware and software technologies related to Bluetooth and Wi-Fi communications, Qi wireless power, motion sensors, signal multiplexers, electronic circuit design, and fabrication including component placement, baking, testing, and systems integration
- Assisted development of IOS and Android Apps as well as Microsoft and OSX Applications

BIONIC PROSTHETIC HAND

Independent Research

Waimea, HI

September 2016 - June 2018

- Designed and created low cost bionic prosthetic hand controlled by an EEG brainwave headset giving the user cutting-edge dexterity

LEADERSHIP/ACTIVITIES

UCHICAGO CLUB SOCCER TEAM

Captain, Mid-Fielder

Chicago, IL

September 2018 – June 2019

- Balance a 10+ hour per week practice and travel schedule with rigorous academic course load

SKILLS AND INTERESTS

Language: Fluent English, Fluent Spanish, Proficient Hebrew

Computer: C, C++, HTML/CSS, Arduino, DrRacket (typed/racket), Adobe: Lightroom, Premiere Pro, Photoshop, Microsoft Suite: Excel and PowerPoint, Logger Pro, EAGLE, Blender, Onshape / Autodesk CAD

Interests: Soccer, Running, Photography/Videography, Member of Team USA (20th Maccabiah Games)