

Joshua Kahalelaukanaka Parker

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EDUCATION

Harvard University (Cambridge, Massachusetts)

2021 – present

- Bachelor of Arts, Computer Science and Economics
- Harvard Clean Energy Group, Natives at Harvard Club, Harvard Hawai‘i Club, Harvard Surf Club

Kamehameha Schools Kapālama (Honolulu, HI)

2017 – 2021

- Salutatorian, Cumulative GPA: 4.52
- Varsity Track & Field Captain, Varsity Basketball, National Honor Society

EXPERIENCE

Founder, Hawaiian Hydropower

2020 – present

- Created unique hydroelectric power technology
- Provide 100% renewable energy for three Native Hawaiian fishponds
- Generated \$17,000+ in outside funding

Research Presenter, American Indian Science and Engineering Society

2018 – present

- Invited to discuss renewable energy solutions and cultural sustainability at AISES Leadership Summit 2019 (all-expense paid trip to Cherokee, North Carolina)
- Invited to discuss impacts on creating renewable energy and cultural sustainability in Hawai‘i to the U.S. Department of Interior and Hawai‘i Senators Mazie Hirono and Brian Schatz (all-expense paid trip to Washington D.C.)

Curriculum Assistant, Nalukai Academy

2021

- Mentored 24 students and 6 startups during an intensive tech, entrepreneurship, and design program
- Taught curriculum exposing students to product ideation, minimum viable product, business essentials and ethics, and team building with emphasis on social and emotional learning

App Developer, Purple Mai‘a Foundation

2020 – 2021

- Developed and maintained Kānaka Kanvas, an educational app that equips students with educational resources, interactive communication with their peers, and investment opportunities to fund their startups
- For the first month after release, over 60 aspiring entrepreneurs signed up and are regular users of Kānaka Kanvas

Intern, Office of U.S. Senator Brian Schatz

2020 – 2021

- Analyzed clean energy legislation and impacts on Hawai‘i communities, providing perspective and innovative solutions through discussion with and for consideration by U.S. Senator Brian Schatz

Fellow, Center for Tomorrow’s Leaders

2020 – 2021

- Selected as one of 20 Hawai‘i students for a leadership development program with a central goal of promoting positive change in Hawai‘i
- Addressed the need for economic diversification and sustainability by coordinating a yearly networking conference

RESEARCH AWARDS

Conducted independent research on the application of non-invasive hydropower in Native Hawaiian fishponds as a source of renewable energy for restoration efforts and nearby communities.

International

- First place – International Clean Tech Competition (2020)
- Finalist – International Science and Engineering Fair (2020)

National

- Finalist – Junior Science and Humanities Symposium (2021)
- First place – AISES Energy Challenge (2019 & 2020)

State

- First place – Kīpuka Innovation Competition (2020)
- First place Environmental Engineering – Hawai‘i State Science Fair (2020)
- Fifth place overall – Hawai‘i State Science Fair (2020)

COMPETENCIES

Skills: JavaScript/Node.js, HTML/CSS, Responsive Design, C++, Computer-Aided Design, Arduino, Hawaiian Language

Tools: Git, Google Analytics/Applications, Glide, Zoom, Microsoft Office, Adobe Photoshop, Adobe Illustrator, Premiere Pro