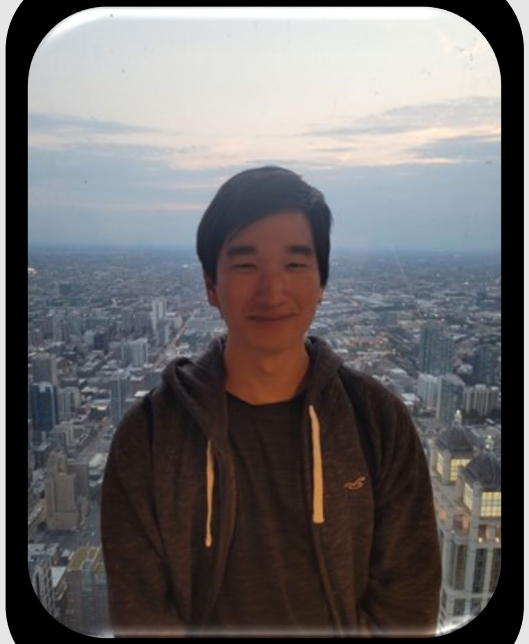
MITTIC

MUREP Innovation and Tech Transfer Idea Competition

National Aeronautics and Space Administration

MITTIC Cohort: Spring 2019

Team El Camino



Jae Won Hwang

Notable Successes

I was part of El Camino College's team for the inaugural MITTIC competition. After doing MITTIC, I had a couple internships with NASA. One was a business partnership internship at NASA Ames Research Center as a direct result of participating in MITTIC. And I spent two semesters as a Propulsion Safety and Mission Assurance intern on the Artemis Service Module at NASA Glenn Research Center. Additionally, I transferred to UC Berkeley as a Mechanical Engineering major from my community college in 2021 and have an internship lined up at Tesla for this upcoming spring semester.

University of California, Berkeley
Mechanical Engineering | Class of ‘24

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Team AERISS

Khali Crawford

Notable Successes

Since MITTIC, I completed my second internship with the U.S. Naval Research Laboratory (NRL). I also participated in an HBCU Carolina Case Challenge and was selected to attend the Thurgood Marshall College Fund Leadership Institute in New York City. It was there that I was able to connect with major corporations, like CATERPILLAR, which also offered me a summer internship in Nashville, TN. I have been keeping myself busy and loved being a part of MITTIC 2022!

Fayetteville State University
Computer Science | Class of ‘23

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Team AERISS

Kaitlin Angelini

Notable Successes

Since the MITTIC Competition, I interned with NASA Ames during the summer. What an honor it was to intern for NASA. Since my internship, I have taken on two roles at Fayetteville State University; one as an Academic Advisor, and the second as a lecturer in the department of graduate and professional studies in business. In the near future I'm looking into starting my PhD. Lastly, I continue to work with start ups to provide council and direction. I'm always trying to find ways to grow and help others.

Fayetteville State University
Business Administration | Class of '22

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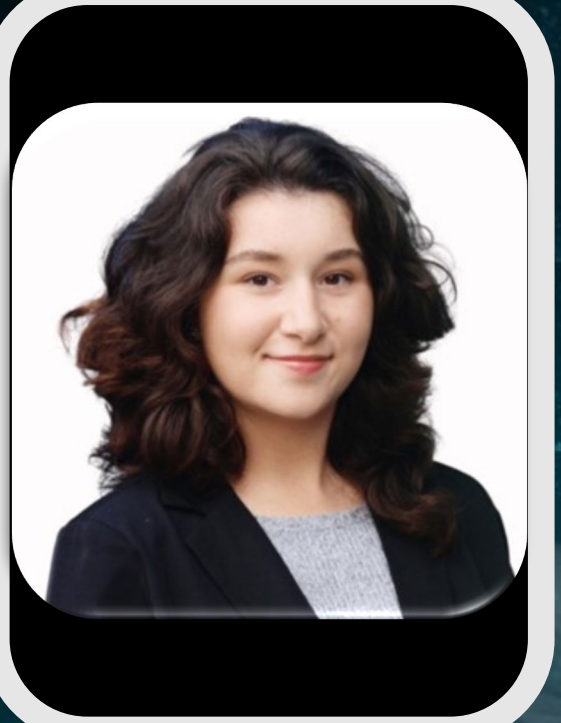
Team HydroPONDS



Anna Diaz

Notable Successes

After MITTIC, I had the honor to work at the NASA Ames Research Center as an intern. This was a tremendous work experience and sparked an interest to continue working within the avionics and aerospace industries. So, I am very humbled and thrilled to announce that I will be an intern at Boeing next summer! This is a wonderful opportunity that could not have been done, I believe, without my prior experience with NASA. I'd love to work again with NASA in the future as I continue to pursue my bachelor's degree.

Santa Monica College

Business Finance | Class of '24

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Team El Camino

Marco Marrufo

Notable Successes

My MITTIC internship was my first opportunity at NASA and it really paved the way for my success. Since my MITTIC Internship at NASA Ames, I've gone on to do an additional 3 NASA internships at AFRC, GRC, and JPL. From my internship experience, I was able to successfully obtain a Pathways position at NASA Marshall and even went on to transfer to another Pathways program at NASA Goddard, where I've been offered opportunities to convert full-time within our Flight Systems Integration & Test Branch.

University of California - Long Beach
Electrical Engineering | Class of ‘23

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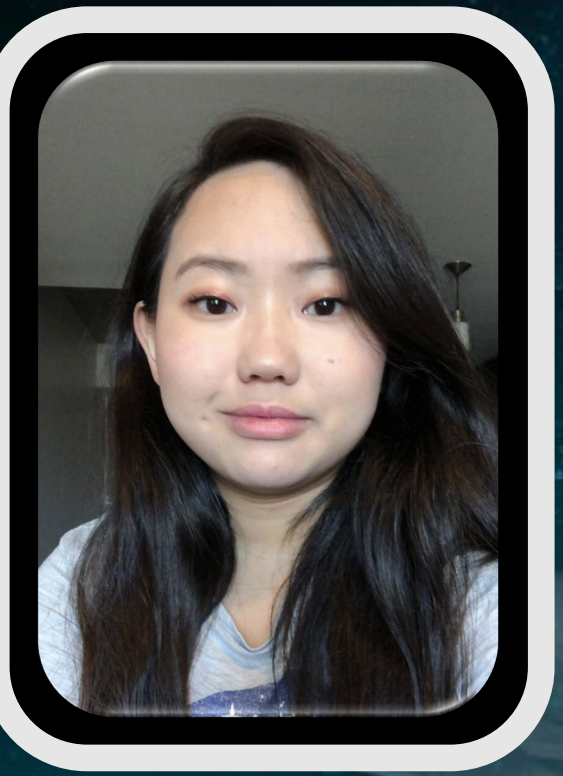
Team SAVER



Notable Successes

Participating in MITTIC allowed me to receive a Data Analytics internship opportunity at the NASA Ames Research Center. Although I had worked with data science in space applications previously, this internship jumpstarted my passion for data science. Now, I am continuing that passion by studying AI at UTSA and researching new machine learning algorithms. Having worked with the SBIR/STTR program at NASA showed me how much innovation is in AI, and I am excited to embark on my journey with my research.

Katie Kim

University of Texas, Austin
Aerospace Engineering| Class of ‘23

MITTIC

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National Aeronautics and Space Administration

MITTIC Cohort: Spring 2022

Team hydroPONDS

Notable Successes

Participating in MITTIC was a very transformative experience for me in my educational career. It gave me the chance to learn how to be an effective team member, especially during the pandemic where things were done virtually, and more importantly, it changed the way I approach a problem that I am faced with.

After MITTIC I had the opportunity of interning at NASA Jet Propulsion Laboratory (JPL) and currently doing mentor-guided research at the California Institute of Technology. MITTIC was one of the key stepping stones in opening doors and I am very grateful for that.

Frank Alas

Pasadena City College

Aerospace Engineering| Class of '24

MITTIC

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National Aeronautics and Space Administration

MITTIC Cohort: Fall 2022

Team Frankenstein's Gear

Notable Successes

After experiencing MITTIC and the different NASA programs, I have able to earn side degrees and build on the skills I utilized during MITTIC to interconnect with my past experience with hackathon and startups. With this, I was able to gain and develop both my research and entrepreneur side to a point where I could interconnect them. I am now attempting to apply for various NASA MITTIC as well as internships from the Buck Institute in order gain more direct research experience that can allow me to use the skills and connections I gained from MITTIC. I have also been exploring different programs such as the Stacks grant and Venturewell.

Rune Norderhaug

College of Marin

Biology| Class of ‘25

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Team hydroPONDS

Notable Successes

After completing MITTIC, I was selected as a finalist in the NSF's Community College Innovation Challenge, and I presented research on a novel HIV treatment using a shock-and-kill therapy at the Library of Congress in Washington, D.C. I spent the summer afterwards at Portland State University (PSU), investigating discrepancies between self-reported greenhouse gas inventories of cities and counties with bottom-up, peer-reviewed FFCO2 datasets -- I presented my findings at the American Geophysical Union (AGU) conference last year. In the fall, I began interning at NASA Langley Research Center, where I reviewed current object detection, instance identification, and class segmentation models for digital replications and predictive models for ML-based simulations, and how they could be applied to an Earth Science Digital Twin (ESDT). Currently, I intern at NASA Goddard Institute of Space Studies, where I am developing and parameterizing models of the light absorption of phytoplankton in the ultraviolet (UV) wavelengths in preparation for the upcoming PACE satellite missions

Toshiro Tokunaga

Santa Monica College

Environmental Science and Computer Science| Class of ‘25