

MICHAYAL MATHEW

michayal.github.io
github, linkedin, devpost.com/michayal
michayal@tamu.edu
(832) 715 4600



Education

Texas A&M University, College Station, TX (*August 2015 – December 2018*) GPA: 3.28
BS, Aerospace Engineering; Engineering Inventer Fellow

TAMS @ University of North Texas, Denton, TX (*Fall 2013 – Spring 2015*)
Early University Entrance, took only university courses and lived on campus for 2 years

Work Experience

Engineering Intern, NASA Goddard Space Flight Center (*June 2017 – August 2017*)

- Devised a novel method to create 3D terrain of Mars/Lunar surfaces from satellites.
- Developed a VR Apollo-era astronaut training simulation with scientific tools.
- Article published on my efforts by A&M Engineering: tx.ag/MichayalgoestoMars

Undergraduate Researcher, Texas A&M University (*May 2016 - Present*)

- Addressed needs within the Texas A&M Aerospace Engineering program in the fields of visualizing CFD data and 3D CAD model interactions with Virtual Reality.
- Currently developing app for engineering education & analysis on Microsoft HoloLens.

Software Developer, Mizo App Development (*June 2016 – August 2016*)

- Co-founded Company to fulfill requirements for a client in the HVAC industry with an iOS App that computes calibration recommendations for refrigerants.
- iPhone app bolstered the company's value to \$2M before acquisition.

Starbucks Barista (2015), **Psychology Lab Intern** (2014), **SteakNShake Waiter** (2013)

Projects

Electrospace (*Aggies Invent IoT, October 2016*)

- Prototyped, developed and pitched an integrated hardware and software platform that allows cloud control of roadside billboards for audience-targeted marketing
- 1st place Aggies Invent, Finalist in the U-Ignite Idea Pitching Competition, chosen to represent A&M at ASEE conference in Summer 2017 and to give a seminar there.

FriendFlix (*TAMUhack, September 2016*)

- Created a Chrome extension that uses Facebook Auth API, and AWS Lambda.
- Allows the user to recommend content to friends directly from within Netflix.
- Top 10 Hacks at TAMUhack, Best use of Amazon Web Services, Crowd Favorite

FIRST Robotics (*September 2012 - May 2015*)

- *Team 5212*: Helped found team, and was lead mechanical engineer. Won the Rookie Inspiration Award and the FIRST Future Innovator's Award.
- *Team 118*: CAD Design Team, Strategic Lead of the scouting team.

Student Engineers' Council, Texas A&M University (*September 2016 - Present*)

- *Co-Chair of Marketing/ Design Committee*: Responsible for all SEC outreach material
- *Marketing Coordinator for Career Fair*: In charge of marketing career fair to students
- *Professional Networking Trip*: Selected to represent A&M COE in Washington, DC

AIAA Design Build Fly Team, Texas A&M University (*September 2015 – February 2016*)

- Vital to the Aerodynamics subsection, responsible for flow simulations, determining airfoil flow characteristics, and wing geometry using XFLR5.

Relevant Leadership Positions

References

Dr. Darren J Hartl, Assistant Professor, Aerospace Engineering, Texas A&M University
Email: Darren.hartl@tamu.edu; <http://maestrolab.tamu.edu>

Dr. Brent Garry, Researcher, NASA Goddard Space Flight Center
Email: brent.garry@nasa.gov; <https://science.gsfc.nasa.gov/sed/bio/brent.garry>