

VINCENT D MOMOT

Portfolio: vincentmomot.github.io/Vincent-D-Momot-s-Portfolio/

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SUMMARY

Full Stack developer with a degree in Aerospace Engineering. Effective in group working and leadership roles. Known amongst staff for being tenacious and able to solve difficult problems. Recently earned a certificate in Full Stack Web Development from the University of Georgia Tech.

SKILLS/SOFTWARE

HTML | Java Script | MySQL | C | GitHub | Astrodynamics | Ballistic Missile Trajectory | Orbital Mechanics
SolidWorks | MATLAB | Wind Tunnel Testing | JIRA | Icy Wind Tunnel Testing | Structural ANSYS | Quality Assurance | Marketing & Finance | Vibrations | Aeroelasticity | Teamwork | Communication | Leadership

WORK EXPERIENCE

Quality Engineering Intern-Universal Electronics Inc. -Santa Ana, CA (2017 - 2018)

- Strictly followed testing instructions for GSM interference tests to ensure reliability in results
- Created a nonlinear curve fitting model to equate specs from a 3-hour test to a 30-minute test
- Prevented a product recall by fixing mislabeled serial numbers on an outgoing shipment
- Assisted Universal Electronics in the Netherlands that needed keypad printing alignment data

Teacher's Assistant for Flight Controls Systems -Ames, IA (2020)

- Kept the professor up to date on what material was difficult for the students
- Transitioned smoothly to online grading after in person classes were canceled

LEADERSHIP EXPERIENCE

JARVIF Research at ISU -Project Lead (2019)

- Led a team of six students to design and manufacture a 3-foot wingspan drone in six weeks
- Kept the project on schedule after construction time the drone was halved and a team member left

PROJECTS

Pet Daycare Application (2021)

- Created a restful API, Pet Daycare database for a staff member to track the pets and activities
- Tools Used: Express, Handlebars, and MySQL
- Repo Link: <https://github.com/VincentMomot/justFurPets>
- Deployed Link: <https://just-fur-pets.herokuapp.com/>

Fly App (2022)

- Designed a professional application for auctioning private flights to non-wealthy citizens
- Tools Used: GraphQL, React, Node, and MongoDB
- Repo Link: <https://github.com/VincentMomot/fly-app>
- Deployed Link: <https://fly--app.herokuapp.com/>

Cardinal Flight and Boeing Electric Flight (2017 - 2018)

- Developed creative solutions for transporting an 18' wide aircraft
- Manufactured a carbon fiber rib and spar wing to decrease weight and maintain strength
- CAD modeled a motor mount in Solidworks that would fit into interchangeable wing designs

HONORS AND AWARDS

Eagle Scout; College of Engineering Dean's list; 1st place in LTA competition; NASA Hunch Program; Cross Country, Swimming, and Track: Team Captain and State Qualifier; Graduation Speaker; NHS

EDUCATION

Iowa State University, College of Engineering; Ames, IA

Graduated *May 2020*

- Bachelor of Science in **Aerospace Engineering** with Minor in Business
- GPA: **3.53**, (Cum Laude)

Georgia Tech Full Stack Certificate Atlanta, GA

Graduated: Feb 2022