MANUEL MARTINEZ

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SUMMARY

Recent graduate with experience in building single-page-applications, front-end developing, and website and simple mobile app design. Seeking opportunities in software engineering to expand as a full stack developer and build through technical approaches, committed learning, and active team collaboration.

EDUCATION AND CERTIFICATIONS

- B.S. in Aerospace Engineering, Virginia Tech – Blacksburg, VA, May 2020
- IT Automation with Python – Professional course and certificate by Google, May 2021

SKILLS

- Languages: Python, C++, JavaScript, MATLAB, Bash/Shell, HTML, CSS, SCSS
- Cloud and Version Control: AWS, Google Cloud Platform, and Git/GitHub
- Frameworks and Stack Tools: React, React-Native, Node.js, Express, JSON, Expo.io, MongoDB

- Bilingual in English and Spanish
- Excellent written and oral communication
- Strong analytical and quantitative skills

TECHNICAL PROJECTS

Business Website Developer   *Jan – Apr, 2021*
Tres Leches House LLC | Manassas, VA
- Designed original website UI using HTML, CSS, JavaScript, and Bootstrap to launch business' first website and accelerate business growth
- Implemented Git for version control of website code to prepare for future website updates
- Proactively liaised between business owners to photograph original website content and implement effective website graphics such as store locations information and ordering methods

Mobile App Calculator   *May – June, 2021*
- Created simple design of mobile app calculator to learn React and React-Native while using JavaScript, Node.js, CSS
- Launched application on Expo.io app store and maximized Expo's universal app capabilities to create a cross-platform app

Propeller Design Project   *Jan – May, 2019*
Propellers and Turbines Course | Blacksburg, VA
- Learned Linux OS and used Bash and Python to create computational fluid dynamics (CFD) simulations in OpenFOAM and ParaView software for designed propeller
- Tested 3D printed propeller in open jet wind tunnel for performance analysis and compared testing with CFD simulation predictions

WORK EXPERIENCE

Residential Advisor   *Jan 2018 – May 2020*
Virginia Tech Housing and Residence Life | Blacksburg, VA
- Programmed an automated monthly scheduler in Python that generates monthly schedule for 30 RAs
- Mentored 30 first-year students every academic year and maintained safe living standards for 1,000 residents
- Coordinated student outreach events using Excel to plan budgets and marketing

Office Administrative Assistant   *May – Aug, 2017, 2019*
G.A.R. Contractors LLC | Manassas, VA
- Scheduled an average of 35 jobs daily in Virginia, Washington DC, and Maryland
- Coordinated job requests received daily from over 40 active construction properties
- Monitored communication with employees, subcontractors, and property managers to ensure timely completion of jobs using Excel and QuickBooks

ACTIVITIES

Virginia Tech *AIAA* Member   *Aug 2018 – May 2020*
American Institute of Aeronautics and Astronautics club | Blacksburg, VA
- Actively participate in Virginia Tech's AIAA chapter through meeting planning and recruitment

News Staff Writer   *Aug 2017 – Dec 2018*
The Collegiate Times | Blacksburg, VA
- Effectively reported accountable news stories for Virginia Tech and the Blacksburg region
- Facilitated general news meetings aimed at organizing the news's column