

- Utilize tools such as Flight Operations System, SkyVector, and AirNav to schedule, build flight manifests, and build quotes for Part 135 flights. Ensure crewmembers are adhering to duty limitations and receive proper rest periods. Brief crewmembers. Flight follow all company aircraft, maintaining situational awareness in regards to weather, maintenance, weight and balance, etc. Disseminate schedule changes to crewmembers and clients.

- Worked on the Windows Platform Integrity team owning the telemetry, data pipeline, and reporting of a future Windows OS feature designed to prevent mobile device theft and reuse.
 - Developed telemetry to optimally collect usage and performance data critical to finding and fixing bugs, improving user experience, and feature iteration.
 - Developed big data pipelines to process raw telemetry data into datasets ready for reporting and analysis.
 - Analyzed data to create Power BI reports communicating feature health, performance, and usage to stakeholders.

- Worked on the Devserver Tooling team within the larger Developer Environment Infrastructure cohort.
 - Developed a tool to automate and improve the reliability of the transfer of developers' home directories between devservers. Increased success rate of transfers by 40%.
 - Paginated and added column search to web user interfaces of database tables containing transfer information.

- Created Tableau reports for school districts to better analyze aggregate and individual student data.

- Led one hour of discussion section and hosted two office hours per week. Provided individual tutoring for struggling students. Created discussion, review, and exam materials. Graded projects and exams.

- Patrolled main libraries to enforce and inform patrons of rules. Acted as a first responder to emergencies.

- Completed 216 hours of instruction at FlightSafety International, covering topics including but not limited to meteorology, Federal Aviation Regulations, flight planning and aircraft weight and balance. Passed the written exam with a 95% score and completed the practical oral exam.

- Major Courses: Artificial Intelligence, Data Analytics, Databases, Data Mining, Discrete Math and Probability Theory, Efficient Algorithms and Intractable Problems, iOS, Machine Structures and Computer Architecture, Networking Architectures and Protocols, Operating Systems, Security, Unix, and User Interface Design

- Created community by planning and hosting events. Encouraged personal and academic development by acting as a resource and role model. Handled emergencies and mediated conflicts within the community of 400 residents.

