Morgan Sandler

+1 (248)-962-5755
East Lansing, Michigan
msandler8@gmail.com

morganlsandler.com
github.com/morganlee123
linkedin.com/in/morgan-sandler

Objective

To learn about and gain working experience with real world aerospace technologies, navigation systems, and satellite systems

Experience

Quicken Loans, Software Engineering Intern
Detroit, MI (Remote)
June 2020 – August 2020

- Led a small intern team to build a mentorship application which helped to solve the problem of matching experience-variable team members together for strengthening and learning new skills
- Developed two internal services to modularize and expand existing functionality within a complex loan management software system

Michigan State University, TARDIS Group Researcher
East Lansing, MI
May 2020 – Present

- Initiated a redesign of a 3 TB database containing research papers and metadata with Python, Pandas, and Dask to solve a need for an optimized backend to a specialized search engine

The Psychiatry & Psychology Center, Contractual Software Engineer
Northville, Michigan
May 2019 – August 2019

- Established a kiosk check in program and a professional website. Streamlined the patient check in process so they spend less time completing paperwork before appointments and have easier automated scheduled check ins

Skills and Technologies

C++, Python, Pandas, Dask, C#, Java, C, Flask, ASP.NET, Progress OpenEdge ABL/4GL, React Native, REST API Design, Amazon Web Services, Google Cloud, Scaled Agile Framework, CircleCI, Grafana, SonarQube

Education and Coursework

BS Computer Science, Cognate in Astrophysics
College of Engineering and Honors College,
Michigan State University, East Lansing, MI
Expected December 2021, GPA: 3.6/4.0 (Deans List)

Course Specializations: Machine Learning, Artificial Intelligence, Thermodynamics and Modern Physics, Classical Mechanics, Observational Astronomy, Science of Astronomy, Computer Security
Activities: Spartahack Organizer, Spartan Hackers, sp4rtans CTF President and Co-Founder, Alpha Epsilon Pi