

Morgan Sandler

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Experience Pratt & Whitney, Digital Technologies Internship

East Hartford, CT (Remote from East Lansing, MI)

May 2021 – Aug 2021

- Leveraged ASP.NET, Entity Framework Core, and C# to build a secure front-end data entry/data edit system to supplement an in-house SQL Server Reporting Services application
- Wireframed a management tool to allocate Middletown engine center employees to their daily work assignments
- Spent two hours volunteering for the Pratt & Whitney Girls Who Code employee resource group

United Airlines, Machine Learning Engineering Contract

Chicago, IL (Remote from East Lansing, MI)

Jan 2021 – May 2021

- Utilized state of the art computer vision methods alongside legacy techniques to streamline the United Airlines' existing safety and auditing processes
- Wrote task recognition programs to identify key points in aircraft turn video that identify non-compliance and potential safety risks

Quicken Loans, Software Engineering Internship

Detroit, MI (Remote from Novi, MI)

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
- Integrated algorithms that allowed for input forgiveness in naming as shown between multiple documents when parsing the system logic

Skills and Technologies C#, ASP.NET, C++, Python, Java, Pandas, Dask, Flask, REST API Design, Amazon Web Services, Microsoft Azure, Google Cloud, Scaled Agile Framework, CircleCI, Grafana, SonarQube

Education and Coursework MS Computer Science

Integrated Pattern Recognition and Biometrics Lab Research Assistant

Department of Computer Science and Engineering

Michigan State University, East Lansing, MI

Expected December 2022, GPA: N/A

BS Computer Science, Cognate in Astrophysics

College of Engineering and Honors College

Michigan State University, East Lansing, MI

Expected December 2021, GPA: 3.65/4.0 (Deans List)

Activities: Co-Director of Spartahack VII, Member of Spartan Hackers, sp4rtans CTF Past President and Co-Founder, Alpha Epsilon Pi Web Developer and Academic Chair