

Logan Niswander

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EDUCATION

University of Michigan

Expected Graduation - May 2022

- **Major:** Computer Science, B.S.
- **Minor:** Political Science
- **GPA:** 3.5/4.0
- **Programming Coursework:** Data Structures and Algorithms, Programming and Introductory Data Structures, Web Systems, Computer Organization, Software Engineering

INTERNSHIP EXPERIENCE

Amazon Web Services, Seattle, WA

June - August 2021

Software Development Engineer Intern

- Implemented a highly scalable and efficient asynchronous data storage accessor API for the FleetWatch team using Apache Spark in order to make data more readily accessible to customers
 - This service was 100% faster than the existing data access service being used previously
- Designed and created multiple query methods allowing various methods of access to FleetWatch data in order to enable users with or without SQL experience to use the API
- Led frequent meetings with stakeholders to spearhead the accessor project and designed the service to meet their desired specifications
- Utilized AWS services such as EMR, S3, API Gateway, Lambda and CDK to build a scalable service from the ground up

National Coastal Agency of Albania, Tirana, Albania

June - August 2019

Economic Development Intern

- Created digital information guides for future interns at the National Coastal Agency
- Collaborated with the European Union to obtain funding for an Albanian cultural festival

SOFTWARE PROJECTS

Github: github.com/LoganNiswander/

Personal Website: loganniswander.com

- Developed a website using CSS, HTML, parallax scrolling and responsive web design

Piazza Machine Learning

- Employed machine learning methods to process data from the class Piazza forum and categorize the posts based off their subject matter
- Designed and developed an algorithm with an underlying binary search tree data structure

ORGANIZATIONAL AFFILIATIONS

Google Developer Student Club - Documentation Lead

2020 - 2021

- Created documentation for projects and events. Managed club communication networks

Microsoft Technical Mentoring Program - Participant

2021 - 2021

- Participated in weekly mentoring sessions with Microsoft software engineers and industry professionals

Boy Scouts of America - Eagle Scout and Patrol Leader

2014 - 2017

- Led a patrol of fellow Scouts from 2014 - 2016 and earned the rank of Eagle Scout in 2017

SKILLS

Software: (proficient): C++, Git, Linux, CSS, HTML, Visual Studio (familiar): Python, C, Java