


# Justin M. Thoms

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## Education

SPRING 2022

**B.S. in Computer Science / University of Maryland, College Park**

Minor: Physics

Relevant Coursework: Object Oriented Programming II, Intro to Computer Systems, Algorithms, Org. of Programming Languages, Adv. Data Structures

GPA: 3.11

SPRING 2018

**High School / Gaithersburg High School**

GPA: 3.87

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## Skills

- **Programming/Query Languages:** Java, SQL, C++, C, Shell Scripting, Python, JavaScript, C#, PHP
- **Database:** PostgreSQL, PostGIS, DynamoDB
- **Operating Systems:** Linux, Windows, MacOS
- **Cloud:** AWS: Lambda, EC2, SNS, SQS, CloudWatch, S3)
- **Software:** AWS CLI, Excel, Logger Pro, Word

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## Projects

2019

**FIRE: First Year Innovation and Research Experience**

Developed VR and AR apps to engage new audiences at the Phillips Collection Art Museum in Washington D.C. using Unity and C#.

2019

**Tendie Day**

Used Machine Learning and Text Recognition to update a website with information about the availability of popular food in the school cafeteria.

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## Experience

MAY 2020 – AUGUST 2020

**Software Development Intern / Leidos - Gaithersburg, MD**

Created API endpoints with AWS APIGateway to allow querying of geospatial data with PostGIS. Developed Apache Spark ETL script using AWS Glue to handle millions of geospatial records. Created bash scripts to deploy AWS CloudFormation templates which provision multiple AWS resources.

JUNE 2019 – AUGUST 2019

**Software Development Intern / Leidos - Gaithersburg, MD**

Developed programs in Java, Javascript, and Angular to visualize geospatial data, hosted on an AWS EC2 instance. Worked with a team of developers to create a FUSE filesystem using jnr-fuse to dynamically send data to GIS software.

2017 – 2018

**Crew Leader / Brusters - Gaithersburg, MD**

Supervised employees and made decisions in order to make the workplace more efficient.

2017

**Web Development Contractor / Arcstone Capital - MD**

Designed website based on documented specifications from the employer using HTML, CSS, and PHP.  
<http://www.arcstonecapital.com/>