Justin M. Thoms

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Education

EXPECTED GRADUATION: 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

Skills

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

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.

Work 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 AWSCloudFormation templates used to 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 Real Ice Cream - Gaithersburg, MD

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