

# JOHN JAYLORD TOMAS

## SOFTWARE ENGINEER • COMPUTER SCIENCE STUDENT

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### PROFESSIONAL EXPERIENCE

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<b>BP</b> 📍 Chicago, IL	<b>SOFTWARE ENGINEER INTERN</b> 📅 May 2022 – August 2022
<b>Project:</b> Hyperion	<b>Client:</b> Trading and Operations
<b>Role(s):</b> Software Engineer Intern	<b>Technologies:</b> Python, ReactJS, Flask, SQL, AWS, Azure DevOps, Git
<b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Developed a full stack web application for trading and operations to automatically generate SQL queries for non technical users to obtain contractual information.</li><li>• Prevented SQL Injections through the use of parameterized queries and formatted parameters.</li><li>• Migrated PostgreSQL data to AWS DynamoDB for easier future data management and scaling purposes.</li><li>• Prepared an AWS S3 Bucket to store and receive contractual information used to identify force majeure events.</li><li>• Orchestrated UI/Design layout for web application by having frequent meetings with end users.</li><li>• Managed an AWS EC2 instance to host the web application.</li><li>• Web application enabled business users to capture 30% time savings on future force majeure reporting.</li></ul>	

### EDUCATION

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<b>BACHELOR'S DEGREE IN COMPUTER SCIENCE</b> Virginia Polytechnic Institute and State University, 3.96 GPA	📅 August 2021 - December 2023
<b>ASSOCIATE DEGREE IN ENGINEERING</b> Northern Virginia Community College, 3.741 GPA	📅 August 2019 - August 2021

### PROJECTS

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#### GOOGLE STUDENT DEVELOPER CLUB

<b>Role(s):</b> Software Engineer, Team Lead	<b>Technologies:</b> Flutter, Firebase, GitHub
<b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Project leader at Google Student Developer Club for a communication and event planning mobile application that connects Virginia Tech students in the same course.</li></ul>	

#### WEATHERMOOD

<b>Role(s):</b> Software Engineer	<b>Technologies:</b> Python, API
<b>Responsibilities:</b> <ul style="list-style-type: none"><li>• Developed a personal project that creates a Spotify playlist that is influenced by the weather of a certain day, using Spotify API and OpenWeather API.</li></ul>	

#### ACHIEVEMENTS / SKILLS

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- Java, Python, C, C++, SQL, Kotlin
- AWS, Flask
- Git, Figma
- Flutter, ReactJS
- TestOut PC Pro Certification
- Microsoft Office 2016 Specialist

#### RELATED COURSEWORK

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- CS 3114: Data Structures and Algorithms
- CS 2506: Computer Organization II
- CS 3714: Mobile Software Development
- CSC 201/202: Computer Science (Java and C++)
- MATH 3134: Applied Combinatorics
- MTH 266: Linear Algebra