

Logan Dracos

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EDUCATION

Duke University

Durham, NC

Major: BS in Computer Science; Minor: Finance

August 2022 – May 2026

- Cumulative GPA: 3.91
- Relevant Coursework: Data Structures and Algorithms, Systems Architecture, Advanced Software Design and Implementation, Practical Financial Markets
- Undergraduate Teaching Assistant for CS 308: Advanced Software Design and Implementation

Horace Mann School

Bronx, NY

Diploma, June 2022

WORK EXPERIENCE

Amazon, Fintech Organization

Arlington, VA

Software Developer Engineer Intern

May – August 2025

- Designed and implemented bulk case upload system of 10,000 cases per batch using AWS CDK and Amazon Q AI assistance, integrating API Gateway, Lambda, S3, and Glue, resulting in streamlined case creation workflow for 30+ investigators.
- Developed automated CSV validation pipeline using AWS Glue and Step Functions, incorporating Spark data quality checks, DynamoDB error reporting, and encrypted cross-account permissions, enabling secure and 0% error multi-case processing.
- Engineered queue management system in Amazon Connect Service, implementing SQS and Lambda functions for case backfill operations, while maintaining 80%+ unit test coverage and documentation standards.

VOOM Insurance

Tel Aviv, Israel

Full-Stack Software Developer Intern

June – August 2024

- Optimized financial reporting systems and database performance by enhancing PostgreSQL functions, modifying AWS Lambda integrations, and collaborating with product teams to improve accuracy by 50% and performance by 20%.
- Developed automated legal document processing, saving legal 2+ hours per week, and enhanced frontend usability by creating auto-filling PDF functionality with CSHTML, building APIs using C#/ASP.NET, and improving React dashboard navigation.

PROJECTS

2D Game Player and Authoring – Developer

February 2025 – May 2025

- Engineered a modular 2D game engine and builder platform, enabling dynamic gameplay and level sharing, by implementing an Entity-Component-System (ECS) architecture and recursive JSON parsing for reusable components.
- Improved backend scalability and consistency by abstracting database logic into a reusable service layer, enabling easier extension across game features like user levels, scores, and social interactions.
- **Utilized:** Java, JavaFx, JUnit, Firebase, Firestore, Jackson

Cell Society - Developer

January 2025 – March 2025

- Developed a Java-based Cellular Automata simulation platform using OpenJFX and MVC architecture, enabling users to configure and run diverse grid-based simulations through XML input files while ensuring robust error handling.
- Collaborated in a team of three to design, implement, and test modular, extensible simulation features, applying design patterns, reflection, and SOLID principles; delivered 70%+ unit test coverage.
- **Utilized:** Java, JavaFx, JUnit

Pickup Comps – Co-Founder, Head Frontend Developer

September 2023 – September 2024

- Architected a data-driven basketball player comparison platform, developing a full-stack React web app that analyzes user gameplay profiles against NBA statistics to generate personalized player matches using statistical analysis.
- Built frontend with React Router and SASS, and data processing in Pandas to aggregate NBA API data.
- **Utilized:** React, JavaScript, Python (Pandas), SASS, MUI

EXTRACURRICULAR & COMMUNITY INVOLVEMENT

TAMID Group - Project Manager, Member

October 2022 – May 2026

- Led a 4–5 person team consulting for Israeli startups, working directly with executives and delivering projects such as a website-trained chatbot and formula optimization for a food company.
- Won Fall 2023 Duke Internal Case Competition and Spring 2024 Tamid Group Private Equity Pitch Competition.

Keewaydin Dunmore Camp - Wilderness Trip Leader

June – August, 2022, 2023, 2026

- Led whitewater wilderness canoeing expeditions of 9 to 17 days, planning routes, supply logistics, selecting and leading diverse groups of 8-10 campers, resolving conflicts, and managing roadblocks under challenging backcountry conditions.

INTERESTS & SKILLS

Interests: Whitewater Canoeing/Tripping • Soccer • NBA (Boston Celtics) • Movies/Filmmaking (Hitchcock, Nolan)

Skills: Java, React, Python, Typescript, JavaScript, noSQL, mySQL, PostgreSQL, C++, Scala, AWS • Conversational fluency in Spanish