

# Nicholas Hulston

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

B.S. in Computer Science, GPA 3.88/4.00

Aug 2020 - May 2024

*Minor in Mathematics, Threads in Intelligence and Info Internetworks*

**Relevant Courses:** Object Oriented Programming • Data Structures & Algorithms • Database Systems • Design & Analysis of Algorithms • Machine Learning • Computer Networking • Mathematical Proofs

## SKILLS

**Languages:** Java, JavaScript, TypeScript, Python, C, Ruby, Dart, Solidity

**Technologies:** React.js/Next.js, Node.js, Ruby on Rails, Flutter, React Native, Android, Unity

**Other Skills:** Rest APIs, SQL, CSS3, HTML5, Git Version Control, Agile/Scrum, Test Driven Development

## EXPERIENCE

### Datadog

New York City, NY

Software Engineering Intern (*Backend*)

May 2023 - August 2023

- Designed and implemented a robust CLI tool leveraging TypeScript/Node.js, which aggregates key data and configuration information from Datadog and AWS Lambda functions.
- Enhances the Datadog support team's efficiency in troubleshooting installation issues.

### Block, Inc. (formerly Square)

San Francisco, CA (Remote)

Software Engineering Intern (*Backend*)

May 2022 - August 2022

- Engineered a Ruby model for detecting fraudulent email/SMS campaigns from Square sellers, improving accuracy through the comparison of 20,000+ historical data points.
- Optimized email delivery rates for all Square sellers by reducing spam from malicious sources.

### NCR Corporation

Atlanta, GA

Software Engineering Intern (*Mobile*)

May 2021 - Dec 2021

- Developed an iOS/Android app for referrals to NCR point-of-sale, leading to 200+ sales leads.
- Designed a robust architecture specification, prioritizing user authentication and data privacy.

## PROJECTS

### Sorting Algorithm Visualizer

[sortingvisual.vercel.app](https://sortingvisual.vercel.app)

- Developed an interactive React-based web application utilizing Next.js and Styled Components.
- Utilized CSS for dynamic visualization of bubble sort, selection sort, heap sort, and quick sort.

### Cranked MC (*Founder & Developer*)

[crankedmc.com](https://crankedmc.com)

- Developed and launched a Minecraft server using Java, consistently maintaining a player count of 20-30 concurrent users and generating approximately \$2,000 in monthly revenue.
- Gained skills in Linux system administration to ensure seamless gameplay and server stability.
- Successfully manage a team of four part-time employees for server moderation.

### Grocery Grab (*1st Place at Gatech's HackGT 7*)

[devpost.com/software/grocery-grab](https://devpost.com/software/grocery-grab)

- Developed an app with virtual shopping lists, pathfinding, and contactless checkout to enhance store efficiency and reduce COVID-19 spread, leveraging Android/Java, ARCore, and Firebase.

## AWARDS

1st Place in HackGT 7

National Merit Finalist

5-time Hackathon Finalist

Eagle Scout