

# Patrick Owen Sizemore

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## EDUCATION

### Georgia Institute of Technology

Aug. 2022 – Aug. 2024

*M.S. in Computer Science, Interactive Intelligence Specialization*

*Atlanta, GA/Remote*

- Cumulative Unweighted GPA: 4.00 (ongoing)
- Relevant Courses: Human-Computer Interaction, Knowledge-Based AI, Global Entrepreneurship, AI Ethics and Society

### University of North Carolina at Charlotte

Jun. 2020 – Jun. 2022

*B.S. in Computer Science with Honors Distinction, Political Science and Spanish Double Minor*

*Charlotte, NC*

- Cumulative Unweighted GPA: 4.00
- Relevant Courses: Data Structures, Software Engineering, Mobile Application Development, Information Security and Privacy, Computer Architecture
- Presented Honors Thesis on Ethical Content-Based Recommender Systems for Social Media

## EXPERIENCE

### Software Engineer, Android

Aug. 2022 – Present

*WillowTree, LLC.*

*Durham, NC*

- Collaborate with designers and stakeholders to create modular, user-aware home screen Composables for major telecommunications client's mobile app
- Refactored legacy Java code to Kotlin and integrated authentication via social media platforms for national broadcasting client's streaming app (Oct. 2022 - Dec. 2022)
- Resolved state restoration, screen resizing and orientation, and design bugs and improved unit test code coverage for internal company directory app (Aug. 2022 - Oct. 2022)

### Software Engineering Intern

Jun. 2021 – May 2022

*nCino, Inc.*

*Wilmington, NC/Remote*

- Updated client-facing Commercial Pricing Insights pages by integrating Salesforce lightning components with frontend Angular and TypeScript code
- Contributed to nearly 15% increase in story point output per sprint on Scrum team

### Software Engineering Intern

Jun. 2019 – Sep. 2020

*Sift Media, Inc.*

*Durham, NC/Remote*

- Created AWS-hosted web tool for Technical Account Managers to update advertising campaign statuses in 5 clicks or less, automating a task that previously took several minutes
- Integrated new advertising provider data into Scala code base and tested updates with Postman
- Led data capture initiative to generate mobile advertising leads by creating automated web scraping tool, gathering 30,000+ contact records

## PROJECTS

### Raven's Progressive Matrices Agent | *Python, opencv, numpy, Pillow*

Apr. 2023

- Python agent leveraging AI techniques to process matrix images and transformations for visual analogy tests
- Achieved 76% accuracy rate on problem set, matching average scores of human test takers

### EnviroView | *React, Firebase, Google Data Studio, JavaScript, Bulma*

Oct. 2021

- Web application to promote awareness of national climate change data through data visualizations
- Awarded 2nd place prize in "Energy and Environment" category, HackDuke 2021

### Genetics Buddy | *Java, Firebase, Android Studio*

Sep. 2021

- Android mobile application to display and analyze large amounts of genetic data for use in research labs
- Awarded "Best Use of Google Cloud" prize, MLH Peace Out Hacks

## SKILLS

**Languages:** Java, Kotlin, Python, Scala, JavaScript, TypeScript, MySQL, GraphQL, HTML/CSS

**Frameworks/Tools:** Jetpack Compose, Retrofit, JUnit, MockK, OkHttp, Koin, opencv, Bulma

**Software/Systems:** Firebase, Amazon Web Services, Postman, Jenkins, TeamCity, Git/GitHub/GitLab, Unix/Linux, DBVisualizer, Google Data Studio