Miguel **de los Reyes**

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Education

Georgia Institute of Technology *Atlanta, GA*
PURSUING B.S. IN COMPUTER SCIENCE *Aug. 2017 - Exp. May 2021*

- Concentrations: Intelligence, Media
- Fall 2018 semester at the National University of Singapore
- GPA: 4.0/4.0

Experience

Facebook *Seattle, WA; Remote*
SOFTWARE ENGINEERING INTERN *Summer 2019; 2020*

- Implemented WebRTC stats logging tool for Messenger Web audio and video calls, integrating with internal visualization tool (JS/Flow)
- Redesigned network quality monitor algorithm for Messenger Web audio and video calls (JS/Flow)
- Built and A/B tested saved search functionality in Marketplace for web (React, Relay) and Facebook Lite (Hack/PHP)
- Investigated potential UX issues with the Marketplace saved search experience (SQL)

College of Computing - Georgia Institute of Technology *Atlanta, GA*
SENIOR UNDERGRADUATE TEACHING ASSISTANT *Jan. 2018 - Present*

- Taught weekly recitations of 30+ students for CS1332: Data Structures and Algorithms (Java)
- Assisted students through weekly 1:1 office hours
- Wrote and reviewed content for exams and future online course
- Managed and added features to desktop autograder tool used weekly by 20+ TAs (Electron, React)
- Managed and added features to data structures visualization tool for use by 600+ students and worldwide (React)

Bits of Good *Atlanta, GA*
DEVELOPER *Sep. 2020 - Present*

- Applied web development knowledge to join university's Hack4Impact chapter
- Currently working in small team to develop a general-purpose volunteer management portal for nonprofits (React, TS/JS, MongoDB)

The Home Depot Inc. Supply Chain IT *Atlanta, GA*
SOFTWARE ENGINEERING INTERN *May 2018 - May 2019*

- Worked in team of interns to implement and visualize a highly robust three-dimensional container loading algorithm
- Created full-stack web visualization application (Spring Boot, MariaDB/MySQL, Express, React)
- Shadowed full-time developers and learned intricacies of supply chain and truckload rounding

Projects

Avalon *2020*
ONLINE SOCIAL DEDUCTION GAME

- Designed and deployed online version of popular social deduction game (React, TS, Firebase)
- Fixed design issues based on user feedback

Storm *2020*
CLOUD-BASED AUTOGRADER GENERATOR

- Implemented generator for cloud-based autograders (Node, Java)
- Designed and implemented automated asymptotic efficiency comparison algorithm
- Released bugfixes and feature updates based on user feedback

Food As Medicine Initiative *2020*
PERSONALIZED MEAL PLAN GENERATOR

- Worked with team for client at Grady Memorial Hospital to design and implement personalized meal plan generator (React, Flask)
- Used project management strategies to systematically assess designs, code quality, and overall progress
- Addressed client needs and communicated regular updates

Leadership

Men's Ultimate Frisbee - Georgia Institute of Technology *Atlanta, GA*
CLUB PRESIDENT *May 2020 - Present*

- Ensure club complies with university and governing body regulations
- Communicate regularly with executive board and coaches

Technical Skills

Languages	JavaScript (ES6, Flow, TS), Java, SQL, GraphQL, HTML5/CSS3
Libraries	React, Redux, Relay, Express, Jest, JUnit
Development Tools	VS Code, IntelliJ IDEA, npm, Git