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

North Carolina School of Science and Mathematics   *Durham, NC*
HIGH SCHOOL DIPLOMA   *Aug. 2015 - May 2017*

- Engineering & Technology Departmental Award
- Unweighted GPA: 4.0/4.0, Weighted GPA: 5.621/5.0

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)
- Independently 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 office hours, graded homework and exams
- 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)

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

- Implemented and deployed online lobby-based version of popular social deduction game (React, TS, Firebase)

Storm   *2020*
CLOUD-BASED AUTOGRADER GENERATOR

- Designed and deployed generator for cloud-based autograders (Node, Java)
- Added automated asymptotic efficiency comparison algorithm

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)
- 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 with team and coaches to facilitate tournament attendance

Technical Skills

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

Honors & Awards

Finalist Team, Moody's Mega Math Challenge   *2017*

Outstanding, International Contest in Modeling   *2017*

Outstanding, High School Mathematical Contest in Modeling   *2017*

1st Place Team, College of Charleston High School Programming Contest   *2016, 2017*