

Miguel de los Reyes

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Education

Georgia Institute of Technology

PURSuing B.S. IN COMPUTER SCIENCE

Atlanta, GA

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

HIGH SCHOOL DIPLOMA

Durham, NC

Aug. 2015 - May 2017

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

Experience

Facebook

SOFTWARE ENGINEERING INTERN

Seattle, WA; Remote

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

SENIOR UNDERGRADUATE TEACHING ASSISTANT

Atlanta, GA

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

SOFTWARE ENGINEERING INTERN

Atlanta, GA

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

ONLINE SOCIAL DEDUCTION GAME

2020

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

Storm

CLOUD-BASED AUTOGRADER GENERATOR

2020

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

Food As Medicine Initiative

PERSONALIZED MEAL PLAN GENERATOR

2020

- 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

CLUB PRESIDENT

Atlanta, GA

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