

# ROBERT EDWARD QUINN III (TREY)

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## EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing

*Master of Science in Computer Science, 4.0 GPA*

*Bachelor of Science in Computer Science, 3.83 GPA, Highest Honor*

Atlanta, Georgia

*Expected May 2024*

*May 2023*

## EXPERIENCE

### BLOOMBERG

Princeton, New Jersey (Remote)

*Software Engineer Intern*

*May 2023 – August 2023*

- Developed full-stack website feature in Typescript with a React.JS user interface and Express.JS REST Router

*Software Engineer Intern*

*May 2022 – July 2022*

- Developed full-stack website feature in Typescript with a React.JS user interface and Express.JS REST Router

### LABORATORY FOR PATHOLOGY DYNAMICS

Atlanta, Georgia (Remote)

*Machine Learning and Statistics Researcher*

*January 2020 – Current*

- Clean and analyze multimodal clinical datasets using Python, Pandas, NumPy, SciPy, and Jupyter Notebook
- Worked with 3 researchers to identify 4 novel Alzheimer's Disease patient types and published results in "Unsupervised Machine Learning to Identify Separable Clinical Alzheimer's Disease Sub-Populations", Brain Sciences, July 2021
- Presented research to audience of ~20 scientists at American Neurological Association's 2021 National Symposium

### MENTRA

Charlotte, North Carolina (Remote)

*User Experience Intern*

*May 2020 – August 2020*

- Conducted 10+ audits on company's website to collect data on compliance with WCAG 2.1 web accessibility standards
- Led collaborative initiatives with design and development teams to increase website accessibility by up to 40%

### WIRELESS REHABILITATION ENGINEERING RESEARCH CENTER (RERC)

Atlanta, Georgia

*Research & Development Intern*

*May 2019 – August 2019*

- Debugged data collection software written in 5,000+ lines of C# code for study on Android power consumption
- Developed algorithm in Python to calculate patients' walking speeds based on data points from CSV files

## PROJECTS

### UNSUPERVISED MACHINE LEARNING FOR CARDIOVASCULAR DISEASE

*Data Science*

- Designed machine learning experiment to cluster patients with cardiovascular disease and observe trends in clusters
- Applied dimensionality reduction and clustering algorithms to dataset using Python, Pandas, NumPy, and Scikit-learn

### PORTUNUS

*Product Management & Web Development*

- Initiated development of React.JS application to connect college students with professional development opportunities
- Led team of 5 developers through user research, feature prototyping, usability testing, and implementation phases of project

### LANGUAGE DETECTOR

*Natural Language Processing & Web Development*

- Developed interactive React.JS application to classify language of inputted text as English, Spanish, or French
- Wrote text-mining script in Java to translate language data from Wikipedia pages into classification models

## LEADERSHIP & PHILANTHROPY

### ABLE ALLIANCE AT GEORGIA TECH

Atlanta, Georgia

*President & Co-Founder*

*June 2019 – Current*

- Founded club, named the 2020 Best New Student Organization, to promote disability inclusion at Georgia Tech
- Host disability-focused recruitment initiatives with Google, Coca-Cola, and Georgia Power serving up to 200 students
- Manage \$1,000 annual budget to run accessible social and recreational events for up to 50 students
- Successfully advocated for the establishment of Georgia Tech's Part-Time Dean's List, a novel Institute-level academic honor recognizing an average of ~2,000 part-time students per semester

- Consult with state agencies, Georgia Tech and University of Georgia faculty on 10+ accessibility technology projects
- Co-present on accessibility technology applications at 10+ disability conferences, including being a Keynote Speaker at 2015 IDEAS Conference and 2017 GATE Conference for audiences of up to 500 professionals
- Presented on an accessible smart home project at a fundraising gala raising ~\$500,000 for a nonprofit partner organization

## **SKILLS & TECHNOLOGY**

*Skills:* Software Engineering, Accessibility, User Experience Design, Graphic Design, Data Analysis, Research, Technical Communication, Leadership, Public Speaking

*Technology:* Java, HTML, CSS, JavaScript, React.JS, TypeScript, Python, Pandas, NumPy, SciPy, Microsoft Office

## **AWARDS & HONORS**

- 2023 Georgia Tech Celebrating Student Leadership Honoree: 1 of 30 student leaders recognized by Georgia Tech's Center for Student Engagement for impactful student leadership
- 2022 Disability:IN NextGen Leader: 1 of 325 students nationally selected to participate in disability leadership program
- 2021 Lime Connect Fellow: 1 of 25 students selected to embody the top college students with disabilities in the United States by representatives from Google, Microsoft, Bloomberg, Sony, Goldman Sachs, and other leading companies
- 2021 Google Lime Scholar: 1 of 12 students nationally selected by Google and Lime Connect for merit scholarship award based on demonstrated leadership and academic excellence in computer science
- 2015 Tools for Life Leadership Award: Recognized by the State of Georgia's Assistive Technology Act Program for demonstrated leadership in advocacy and education surrounding accessibility technologies