

# Lauren T. Kearley

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Detailed portfolio available at laurenkearley.com

## EDUCATION

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**Georgia Institute of Technology**, Atlanta, Georgia

*Anticipated Graduation: May 2019*

Bachelor of Science in Computer Science

Concentrations in embedded systems, information management, and mobile computing

Honors: Dean's List, Faculty Honors

## WORK EXPERIENCE

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**Brain Trauma Assessment Protocols**, Atlanta, Georgia

*Undergraduate Team Manager & iOS Subteam Manager*

*Jan 2018 – Present*

- Managing a research team whose goal is to develop a suite of iOS, Android, and web applications for patients suffering from aphasia and their clinicians
- Used AWS to store patient data in a HIPAA compliant database
- Coordinating and leading weekly meetings of the undergraduate development team
- Created an iOS application which is currently used to monitor the heart rate of ophthalmic surgery residents as they progress through their training at Emory University Hospital

*iOS Developer*

*Aug 2017 – Jan 2018*

- Implemented three modules from the Western Aphasia Battery to assess patients' language abilities
- Redesigned application to use Firebase to allow clinicians to access their patients' test results in real-time
- Utilized Dropbox SDK to automatically upload patients' test results to their clinician's Dropbox

**Contextual Computing Group**, Georgia Institute of Technology, Atlanta, Georgia

*Aug 2018 – Present*

*Undergraduate Research Assistant*

- Developed applications for the HoloLens and Magic Leap augmented reality headsets to improve order picking time in sparse warehouse environments
- Conducted user studies to determine which type of interface and style of augmented reality headset has the most significant improvement to order picking time

**Asurion**, San Mateo, California

*May 2018 – Aug 2018*

*Software Engineer Intern (iOS)*

- Implemented redesigned in-app notification system for AT&T Photo Storage, Sprint Gallery, and Memories
- Collaborated with a cross-function team to increase the percentage of users with successful photo backups

**Georgia Institute of Technology**, Atlanta, Georgia

*Lead Undergraduate Teaching Assistant, Digital Design Laboratory*

*Jan 2019 – Present*

*Undergraduate Teaching Assistant*

*Aug 2017 – Dec 2018*

- Guiding students on the process of designing, prototyping, and debugging digital circuits
- Instructing two laboratory sessions of 26 students

*Undergraduate Teaching Assistant, Objects and Design*

*Aug 2018 – Present*

- Teaching the fundamentals of object-oriented design through the development of an Android application

## SKILLS

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**Programming Languages:**

Proficient: Swift, Python

Experience: HTML, CSS, MySQL, Java

Exposure: MATLAB, Objective-C, VHDL, C/C++, C#

**Tools/Libraries:**

Xcode, Android Studio, Unity, AWS, Git/Github, Firebase, CocoaPods, Bootstrap

## EXTRACURRICULAR ACTIVITIES

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**GT iOS Club**, Tech Lead

*Aug 2017 - Present*

- Working with a team of officers to develop a beginner-level curriculum and lead weekly training sessions

**Hackathon Mentor**

- Mentoring hackathon participants at various HackGT events and the College of Computing Appathon