

Lauren T. Kearley

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OBJECTIVE

Gain valuable experience to expand my knowledge of software design in order to pursue a career in mobile application development.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

Anticipated Graduation: May 2019

Bachelor of Science in Computer Science

Honors: Dean's List

Concentrations in computer hardware, embedded systems, information management, and mobile computing

EXPERIENCE

Undergraduate Team Manager & iOS Subteam Manager, Brain Trauma Assessment Protocols *Aug 2017 – 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
- 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 account
- Currently integrating Affectiva SDK, which will be used to monitor patients' emotional responses during testing
- 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

Undergraduate Teaching Assistant, Digital Design Laboratory, Georgia Institute of Technology *Aug 2017 – Present*

- Instructing a laboratory session of 26 students
- Guiding students on the process of designing, prototyping, and debugging digital circuits
- Teaching programming with hardware description languages using an Altera Cyclone II FPGA

PROJECTS

Team Manager, Where's My Stuff

- Developed an iOS application which allows users to post lost, found, or donated items to aid in disaster relief
- Utilized a Firebase database to store item information in a JSON tree
- Used Firebase authentication and Facebook SDK to manage user accounts and provide password recovery
- Created a map of the posted items' locations using MapKit and Core Location
- Incorporated in-application email for users to contact one another regarding posted items
- Organized the development of an Android-based version of this application using Agile methodology

SKILLS

Programming Languages: Proficient: Swift, Java, Python

Experience: C/C++, HTML, CSS, MySQL

Exposure: MATLAB, Objective-C, VHDL, Assembly (MIPS)

Tools/Libraries: Xcode, Android Studio, Git/Github, Firebase, CocoaPods, Flask, Pandas

Operating Systems: Linux, macOS, Windows

EXTRACURRICULAR ACTIVITIES

GT iOS Club

Aug 2017 - Present

- Working with other aspiring iOS developers to create new mobile applications

Robotics Mentor, Windward School

Jun 2013 – Aug 2013

- Crafted lesson plans which taught basic loops, conditionals, data structures, and algorithm development