# Justin Hill

(832) 930-2718 |justinhill@utexas.edu | github.com/jhillkwaj | www.cs.utexas.edu/~jhill

## EXPERIENCE

**Software Engineering Intern,** *AtLink Communications*, Houston, TX                    Summer 2015
- Collaborated with a team of three interns to design and develop a database, a web application, and mobile applications
- Allows users to view the locations of underground power and water lines using both a map interface and an augmented reality camera overlay
- Integrates with mobile GPS device being developed by AtLink

## PROJECTS

**HTC Vive Game,** Summer 2016
Developed a first-person space shooter room-scale virtual reality game for the HTC Vive using SteamVR and Unity. I am still working on completing the game and am working towards making it available on Steam later this year.

*MoveOver*, IncubateHou, August 2016
Led a team which designed and developed a pair of mobile applications, connected using Firebase and GeoFire, that notifies drivers when emergency vehicles are approaching. The app placed second in the IncubateHou competition and qualified for the international IncubateX competition. We plan to continue developing it so drivers, particularly those that are hearing impaired or distracted, can stay safe.

**Computational Materials Research**, Spring, 2016
Part of the Freshman Research Initiative at The University of Texas at Austin. Our team worked to simulate properties of nanoparticles for use in Lithium Air Batteries. For my research I used Python to test out new algorithms for finding the global minimum energy of an atomic system to better be able to find suitable nanoparticle candidates.

*Words on Words*, 2014-2015
Designed, developed, published, and monetized a physics based word game, *Words on Words*, for iOS and Android using the Unity Engine and C#. The game is currently available on both the Apple App Store and the Google Play Store.

**JPMorgan Chase Code for Good,** October, 2015
Participated in the JPMoran Chase Code for Good event in Columbus, Ohio where I worked with four other college students from across the country and JPMoran Chase employees to develop and build ways for the Lebron James Family Foundation to better motivate and track the progress of high school students in Akron, Ohio.

## EDUCATION

**The University of Texas at Austin**, Austin, TX                    Class of 2019
*Bachelor of Science in Computer Science*
- 3.87 University GPA, 3.90 Departmental GPA
- University Honors, Fall 2015

**Clear Lake High School**, Houston, TX                    Class of 2015
- National Merit Scholar and National AP Scholar
- Graduated Summa Cum Laude

## SKILLS

**Proficient in:** Java, Android, C#, Unity, SteamVR, Git
**Worked in:** Python, NumPy, HTML, CSS, JavaScript, Firebase, C, C++, Linux

## Organizations

Mobile Applications Club (MAD), Electronic Game Developers Society (EGaDS), Engineering Chamber Orchestra (Echo), Association for Computing Machinery (ACM)