

Tarang Khandpur

GitHub Profile:

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US Citizen

Objective: Currently seeking full-time employment in Software/Embedded Systems Engineering

Education: **The University of Texas at Austin**

Degree: *B.S Electrical and Computer Engineering & B.A Japanese Language*

Graduated: May 2018

GPA: 3.0 (Overall), 3.3 (Upper Level Engineering)

Web/App Development Projects:

Active Blog Website – HTML, CSS, Java in JSP **1/17 – 2/17**

- <https://ee4611-hw1-tk-karime.appspot.com/> :
- Back-end functionality in Java using JSP files and deployed using *Google App Engine* (GAE)
- Used Objectify for back-end storage elements and *Bootstrap*, CSS and HTML for front-end.
- Implemented a Cron Job to send regular E-mails to list of subscribers.

Anonymous Advice App (Team Lead) – Java, Android Studio **8/16 – 5/17**

- https://github.com/TKnologic104/EE461L_Anonymous_Advice
- An app designed to provide users with immediate anonymous advice on any topic.
- Interfaced with: Google Log-in, Firebase, Google Cloud Messaging, etc.

Wubba – Voice Controlled Videogame – Javascript, NodeJS **4/17 – Present**

- https://github.com/TKnologic104/Music_Hacks
- Interfaced with: MatterJS, P5.JS Visualizer Library
- Won 2nd Place at Music Hackathon – HackTX

ExploreApp - GPS-Videogame (Team Lead) – iOS, Swift, Xcode **6/17 – Present**

- <https://github.com/TKnologic104/ExploreApp>
- Integrated Google Maps API, Facebook Login, and FirebaseDB
- Designed innovative team-based combat system

Embedded Systems Projects:

Video-game on Micro-Controller – BattleShip – C **8/17 – 12/17**

- Multiplayer *BattleShip* wirelessly interfaced between two controllers built on custom PCBs.
- Interfaced buttons, LEDs, speaker, DAC, ESP wifi, and LCD screen on *TM4C123 ARM MC*

Video-game on Micro-Controller – Saloon! – C & Assembly **8/15 – 12/15**

- Interfaced with buttons, LEDs, Speaker, Slide-pot, DAC, and LCD screen.
- Written in C with scaling difficulty.

Work Experience:

Startup – Aurora(CEO): A Stringed Instrument Teaching Tool **8/17 – Present**

- Built on Arduino Due, Interfaces 100+ LEDs, Tactile Feedback system, LCD & custom PCB
 - Created a BOM, VC pitch, and Business Presentation, Business Plan,
 - Won 3rd Place at Selig Prize Competition
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Skills:

- Programming: Java, JavaFX, C++, C, Assembly, VHDL, HTML, CSS, JavaScript(basics), Swift
 - Languages: English, Hindi, Spanish(Proficient), and Japanese (Proficient)
 - Software: Microsoft Office Suite, Abode Creative Cloud, *Android Studio*, *X-code*, Arduino
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Activities:

- Member, Institute of Electrical and Electronic Engineers (IEEE)
- Member, Electronic Game Developers Society (EGADS)
- Future Business Leaders of America (FBLA) - National Competitor: Impromptu Speaking, Public Speaking, and Business Presentation (2011 & 2012)