

Tarang Khandpur

GitHub Profile:

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Objective: Currently seeking full-time employment in Software Engineering starting June 2018

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

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

Graduating: May 2018

Web/App Development Projects:

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

- <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 – Present**

- https://github.com/TKnologic104/EE461L_Anonymous_Advice
- An app designed to provide users with immediate anonymous advice on any topic.
- Project leader: organized meetings, created agenda, designed team workflow.
- Interfaced with: Google Log-in, Firebase, Google Cloud Messaging, etc.

Wubba – Voice Controlled Videgame – 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-Videgame (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:

Stringed Instrument Learning Tool (Team Lead) **2/16 – 5/16**

- Organized team meetings and created project agenda.
- Distributed responsibilities and drafted research documentation.

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

- A game where you catch continuously falling objects – written in C with scaling difficulty.
- Interfaced buttons, LEDs, Speaker, Slide-pot, DAC, and LCD screen on *TM4C123 ARM MC*

Conceptual Implementation-Based Projects:

Ticket Office Counter Program – Java, Multi-threading **6/16 – 7/16**

- Created a concurrent system designed to sell tickets simultaneously to various users while avoiding deadlock.
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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, Adobe Creative Cloud, *Android Studio*, *X-code*
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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)