

Trijeet Mukhopadhyay

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Education

Stanford University, Class of 2017 (B.S. Computer Science)

Relevant Coursework (by Spring '15): Computer Systems and Architecture; Web Applications; Computer & Network Security; Design & Analysis of Algorithms; Software Design for Music; User Interface Design and Evaluation; HCI & Interaction Design Studio.

Work Experience

UI/UX Designer, EagerPanda (May '13 - August '14)

(<http://eagerpanda.com/>)

- Worked in a small team to create product wireframes and ideate on features ranging from the newsfeed, article consumption and creation, profiles, etc.
- Designed mockups and interfaces (Photoshop/Sketch) for various components of the web product with an emphasis on creating a sublime reading and content discovery experience for the web.

Projects

L'accompanier

(<https://ccrma.stanford.edu/~trijeetm/l'accompanier/>)

A live drums and bass accompanier for MIDI keyboardists to jam/perform with. Implemented an audio-visual system which learns from your playing style to synthesize musically coherent drums and bass with visualizations showing how the algorithm thinks and generates accompanying music.

Flow

(<http://stanford.edu/class/cs147/projects/creation/flow/>)

An iOS productivity app to help creative people streamline their projects by providing a tool to catalog inspiration, brainstorm, schedule tasks and obtain feedback on their work. Designed paper and digital mobile interfaces and developed a hi-fidelity prototype.

Ba-dum-tss!

(<https://ccrma.stanford.edu/~trijeetm/ba-dum-tss/>)

A step sequencer which allows the user to sequence drum beats, bass notes & chords to create coherent music. Implemented a interactive interface with the objective of making music creation more accessible.

Alan's Psychedelic Breakfast

(<https://ccrma.stanford.edu/~trijeetm/alan's-psychedelic-breakfast/>)

A visualizer for real-time audio. Implemented a low-level audio-visual system which analyzes real-time mic input to learn characteristics of the sound (like beats, frequency waveforms, bass hits), and generate "trippy" visual effects in sync to the sound it hears.

hack-dj

(<https://github.com/anunayk/hack-dj>)

A web-app to create crowd controlled playlists and stream them for live events like parties, hackathons, restaurants. Developed at LAHacks using ExpressJS/Compass/Jade and Spotify API.

Quizr

(<http://quizr.me/>)

A platform for modern quizzing enthusiasts where you can create quizzes, share them with your friends, and attempt other quizzes yourself. Undertook the role of lead designer and front end developer for the project. Winner at /isa (hackathon at IIT-Delhi).

Leadership / Student Organizations

Officer, BASES Tech Team (Fall '13 - Spring '14)

BASES is the largest student entrepreneurship group on campus, dedicated to empowering entrepreneurs at Stanford and beyond through its immersive programs and powerful network. Developed the official BASES website; worked on internal tools and applications for other BASES teams.

President, ExunClan (2012 - 2013)

ExunClan is a club of computer science and tech enthusiasts (<http://exunclan.com>).

Organized New Delhi's largest tech fest; hosted technical workshops; participated in various programming and design contests.

Technical Skills / Software

C/C++, JavaScript, HTML5 & CSS3, Ruby On Rails, OpenGL, Chuck.
Photoshop, Sketch, Illustrator, Blender.

Interests

UI/UX design, full-stack engineering, visual design, music composition, soccer, cooking.