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Education

UC SAN DIEGO, Computer Science (Specialization: HCI)

Fall 2015-Winter 2017, Master of Science, 3.81

IIT BOMBAY, Computer Science & Engineering

2011-2015, Bachelor of Technology, 8.44/10

Background

- Undergraduate research on Network Virtualization under Prof. Ashwin Gumaste
 - Co-authored paper submitted to the IEEE Comm. Magazine (currently being revised)
- Teaching Assistant, Software Systems Lab (IIT Bombay)
- Served as grader for the International Physics Olympiad (IPhO 2015)
- **Ranked 13th in India** in the IIT Entrance Exam, among about half a million candidates
- Volunteered to teach basic computer usage under the National Service Scheme

Experience

Adobe Technology Labs, Bangalore, India (Summer 2014)

Analyzed abandonment of shopping carts to classify site visitors based on likelihood to buy
Also evaluated their propensity to unsubscribe from related e-commerce email campaigns
Visualized both tendencies in conjunction to better target customers, possibly in real-time
Filed **two US patents** after thorough internal review by Adobe; internship in a team of three

Skills

- *Programming*: C++, Python, Bash, Java, SQL, HTML, CSS, JavaScript, node.js, Git
- *UX Design*: Rapid Prototyping, Usability Testing, Heuristic Evaluation, A/B Testing

Previous Work

- **Nutrition Advisor App**: Created a web application for mobile in a quarter-long design project involving needfinding, storyboarding, paper prototyping, etc. [Fb.com/Nutravisor](https://fb.com/Nutravisor)
- **Making Marshmallow's Permissions Sweet Again**: Proposed a new permission model for Android that prevents undesirable (mis)use of permissions. [See Paper](#)
- **Network File System**
Implemented a console-based Dropbox clone in C++ using socket programming
- **FMOT (File Manager On Terminal)**
Designed a file manager in C++ with a terminal interface using the ncurses library with support for indexed search and regular expressions
- **Depixelizing Pixel Art**
Implemented the namesake SIGCOMM'11 paper in Python to generate shape-preserving (at higher resolutions) vector representations of raster images. [GitHub](#)

Seminars

AI: Computational Humor

About tackling the problem of generating/identifying humorous situations computationally
Papers on existing theories and their associated mathematical models were surveyed