

VIKRAM KAMATH

FULL STACK DEVELOPER / HCI RESEARCHER

EDUCATION

CARNEGIE MELLON UNIVERSITY
PITTSBURGH, USA

School of Computer Science, HCII
Master of Educational Technology and Applied Learning Science

EXPECTED AUGUST 2015

NATIONAL INSTITUTE OF TECHNOLOGY
KARNATAKATA, INDIA

Bachelor of Technology
Major in Mechanical Engineering

JUNE 2011

EXPERIENCE

WEB ARCHITECT

TELIPTIME INC
Instagram for panoramas,
500 Startups and Startup Chile

- Managed 10 Ubuntu machines with MySQL and Redis replication
- Engineered APIs for Android, iOS, Web and Google Glass
- Helped grow product to 4 million users and 100K locations
- Designed 3D viewer for phone and web browsers in par with Google street view
- Managed 10 Ubuntu machines with MySQL and Redis replication

JULY 2011 - 2014

WEB DEVELOPER FREELANCE

- Built cross-platform apps in web, facebook, desktop and mobile
- Envisioned product solutions for startups, lawyers, artists, faculty and students
- Worked on over 20 projects in Python, PHP and mobile applications

DEC 2010 - JULY 2011

PROJECTS

CAPSTONE PROJECT TURNITIN, Technical Lead

Designing a product through user centered research to improve developmental English. Prototyping design solutions based on speed dating and user research

LEARN KANNADA Language learning Android app

Researched a cognitive model to implement second language learning tool. Implement augmented reality based OCR detection on Android

WIZARD OF ODDS Multiplayer game

Developed a realtime multiplayer online game like Texas Holdem using Redis and WebSockets

EDIGS, HCII Research programmer

Developed website and APIs for apartment sustainability in Pittsburgh. Implemented machine learning and crowd-sourcing.

APPROVER Product Architect

Created a web and an android platform for beta testing android applications. Featured on Techcrunch and recognized by Robert Scoble as an innovative product

JEDI MOUSE Interactive gadget

Used EEG and accelerometer data to implement a *thought-controlled mouse*. Implemented signal processing and visualizations

ANIMAL DIGEST Android app

Developed a Flipboard like Android magazine and a widget for wildlife enthusiasts.

SKILLS

PROGRAMMING

Python, PHP, HTML, CSS, Javascript, AngularJS, Three.js, Bootstrap, Android, Arduino

SERVER

Ubuntu, Rackspace, Linode, Nginx, Monit, Sentry, MySQL, Redis, MongoDB

RESEARCH

Contextual Inquiry, AB Testing, Speed dating, Cohort Analysis

PUBLICATIONS

- [2] Jennifer Mankoff, Omead Kohanteb, Dimeji Onafuwa, Kirstin Early, **Vikram Kamath**, Vinay Ramkrishnan, Steven Fienberg, "Understanding the Information Needs of Prospective Tenants", CHI 2016 (In progress)
- [1] **Vikram Kamath**, Nikhil Ramaswamy, P. Navin Karanth, Vijay Desai, S.M. Kulkarni, "Development of an Automated Handwriting Analysis System", ARPN Journal of Engineering and Applied Sciences vol 6. No. 9, Sept 2011