Enkhtushig Namkhai

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EDUCATION

University of California, Berkeley……Expected May *2017 Computer Science B.A*

Related Courses: CS10 Intro to Computer Science, CS61A Structure and Interpretation of Computer Programs, CS70 Discrete Mathematics and Probability Theory, CS61B Data Structures and Advanced Programming, CS61C Great Ideas in Computer Architecture (Machine Structures), CS162 OS, cs170, CS188 (Artificial Intelligence), CS160 User Interface Design, CS161 Computer Security. EE40 Intro to Microelectronic Circuits.

Osaka University……..…….June 2015 - August 2015

UCEAP Study Abroad Program

Beginning Japanese - Intensive 8 unit summer language program at Osaka University.

PROJECTS

(*For more projects and more detailed explanation please go to my website)*

Secure File Storage (Security Class) - Designed a secure file storage in an untrusted server and allowed sharing, uploading, downloading and revoking these files with others. We had a data structures to store the files that we uploaded, and another to keep track of who we shared each file with, and finally a centralized place where everyone that has access to the file can go get the keys to decrypt the files. How can we store files in an untrusted server? Was the issue we wanted to solve.

File Management (Database Class) - Part 1 of implementing a DataBase. Managed how records are stored on pages and how we can access them. Each table has a set of fixed length records that the user can add or delete. Each record is stored on a page that has free space, we were able to tell if a certain slot of the page was free by using a bitmap (0 is empty, 1 means there is a Record). By understanding which slot in the page was free (by reading the page header) we were able to index into the page and write a new Record into the empty page and read a Record from a page.

Offspring (UI Design Class)- A mobile companion app and a dedicated, durable low-cost watch device for children that allows parents, guardians, and caretakers to easily track and communicate with their children. Mostly worked on the design aspect of the project and research to gather data.

WORK EXPERIENCE

Lab Assistant, University of California Berkeley; Berkeley, CA — June 2014-August 2014

The Structure and Interpretation of Computer Programs Lab Assistant

- Helped, guided, and tutored students with lab exercises, homework and projects
- Was part of the Lab Review committee where we review the lab questions before giving it out to the students

ASUC Intern, University of California Berkeley; Berkeley, CA — August 2013-May 2014

Associated Students of the University of California Intern

- Worked under the Senate Office of the ASUC. Helped plan the event where students were able to sign up and showcase the cool projects that they made. The winner got a monetary prize.

ORGANIZATIONS

UC Berkeley Computer Science Scholars……January 2015 - Present
UC Berkeley Society of Women Engineers…….……..January 2014 - Present
Berkeley Innovation (BI)……..January - May 2016

- As a general member in Berkeley Innovation, and as a student of the Design decal hosted by BI, I learned a lot about the design process and was able to put it to good use.

SKILLS

Python, Java, C, Familiar with Android Studio, Swift, Html/CSS/Javascript, Mac OS X, Windows 7, UNIX, Photoshop, InDesign, Illustrator, Invision, Figma, Maya, Bilingual.