Enkhtushig Namkhai

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EDUCATION

University of California, Berkeley……Expected May *2017 Computer Science B.A*
Related Courses: CS10 Intro to CS, CS61A Structure and Interpretation of Computer Programs, CS70 Discrete Mathematics and Probability Theory, CS61B Data Structures, CS61C Great Ideas in Computer Architecture, CS162 OS, CS170 Algorithms, CS188 AI, CS160 UI Design, CS161Computer Security, CS186 Databases, EE40 Intro to Microelectronic Circuits.
Osaka University……..……June 2015 - August 2015 *UCEAP Study Abroad*
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. Did user research to gather data and went through the design process to improve on our design implementation. We came up with multiple lo-fi prototypes to lead up to the hi-fi prototype.

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
- Part of the Lab Review committee: reviewed the lab questions before handing out to 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. Planed an event where students were able to showcase the innovative projects that they made. The winner was rewarded.

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 that product designers go through to develop new innovative ideas and solutions to everyday problems.

SKILLS

Languages*:* Python, Java, C. Familiar with Android Studio, Swift, Html/CSS/Javascript.
OS: Mac OS X, Windows 7, UNIX.
Design: Photoshop, InDesign, Illustrator, Invision, Figma, Maya.
Other: Bilingual (Mongolian and English)