SHANE SKIKNE

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EDUCATION

Olin College of Engineering
Bachelor of Science in Electrical and Computer Engineering
GPA: 3.71/4.0 · Graduated Dec. 2015 · Concentration in Human Decision Making
Courses: Software Engineering, Software Design, User-Oriented Collaborative Design, Foundations of Computer Science, Computational Robotics, Computer Architecture, Engineering for Humanity, Olin.js, Discrete Mathematics, Social Psychology, Game Theory, Negotiations, Affordable Design and Entrepreneurship

SKILLS

LANGUAGES: Python, Java, Javascript, PHP, Objective C, MATLAB
OPERATING SYSTEMS: Linux, Mac OS X, Windows, ROS
APIS AND TOOLS: Node, MongoDB, git, Arduino, Xcode, AWS

EMPLOYMENT

CYPHYWORKS · SPRING 2016 · Software Development Intern   Danvers, MA
Developed software to organize raw data from drones into relevant, useful formats. Main contribution was generating summaries of flights to give users a snapshot of each flight without needing to access the raw data. Additionally, set up team's continuous integration.

MUSEUM OF SCIENCE · SUMMER 2015 · Activity Designer and Program Presenter   Boston, MA
Facilitated and developed design challenges and engineering activities to help visitors experience different aspects of the engineering process. Main focus was assessing the educational opportunities of different robots and developing effective activities for the KIBO robot. Additionally, mentored and supported the department's high school interns.

FACEBOOK · SUMMER 2014 · Software Development Intern   Menlo Park, CA
Developed an education experience on friending for users on mobile browsers. Assisted team in planning and prioritizing projects and completed a variety of projects on the Privacy Product Team using Javascript and PHP.

HELPAROUND · FALL 2013 · Software Development Intern   Tel Aviv, Israel
Helped design and build a service that allows diabetics to crowdsource help requests within their community. Found potential users using the Twitter API and implemented backend functionality. Assisted company in pivoting the product and developing a marketing strategy. Represented the company at conferences and events.

THREE CHOCOLATIERS · 2012 · Founder   Needham, MA
As a personal project, worked with 2 other students to found a small-scale chocolate business. Designed our own chocolate-making process using kitchen appliances and invented and refined unique flavors, which were sold locally. Every batch was sold out.

PROJECTS

COMMUNITY DEVELOPMENT IN CLARKSDALE, MS · FALL 2015
Ongoing Olin project, my team worked on it for one semester. Goal is to help citizens empower themselves and gain 21st century skills. Through interviews and co-designs, we engaged community leaders, active citizens, and students to envision a learning space that could accomplish this goal. Researched and visited a variety of spaces, generated a framework to compare different strategies, and developed custom co-design activity to facilitate feedback and ideation. Narrowed to a handful of potential strategies for further exploration.

CONNECTED AGING · CAPSTONE PROJECT · CARE.COM · 2014-2015
Worked with Care.com to develop a way for seniors to age-in-place for longer with a higher quality of life. Interviewed dozens of seniors, families, caregivers, and senior care experts, generated hundreds of potential ideas of which five were further explored through looks-like prototypes and co-designs, and one was prototyped and delivered to Care.com.

USER-ORIENTED COLLABORATIVE DESIGN · SPRING 2013
As product manager, explored needs and values of parents with blind children through research and interviews, identified opportunities for products and designed a virtual reality blindness experience to show people how a blind child can function normally.

ACTIVITIES

STUDENT ACTIVITIES ORGANIZATION · CHAIR · 2014-2015
Organized and facilitated all club creation and funding on campus. Assisted in redesigning student government to be more streamlined and effective. Received a $2000 Innovation Grant to enhance club collaboration between three local colleges.

COMMUNITY SERVICE BOARD · 2011-2015
Organized service opportunities and connected volunteers with organizations. Ran two most successful charity auctions in Olin history raising $10.5k and $12k. For both, solicited over 300 donations, organized silent and live auction, and facilitated donation collection.