ALESSA CROSS

alessacross.github.io/

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EXPERIENCE

Software Engineering Intern
PayPal

📅 June 2019 – Sept. 2019   📍 San Jose, CA

- Built a RNN-based contextual AI assistant for PayPal's Analytics team from end-to-end
- Trained a deep learning model on Slack channel and FAQ page using Rasa framework and TensorFlow
- Predicted overall user intent with 96% accuracy
- Bot answers recurring questions, automatically identifies bugs in user code, and hand-holds developers through various troubleshooting processes
- Integrated with corporate Slack channel and custom web UI, deployed model to server using Google Cloud Platform

Software Engineering Intern
FUSE

📅 June 2018 – August 2018   📍 Chicago, IL

- Designed UI and front-end development for social media iOS app
- Built functionality that allows users to fetch content from various social media and news sources, drag content to and watch live videos in group chats

PROJECTS

Safeguard+
Founder

- Built an iOS app that alerts users seconds before an earthquake and tsunami, displays relevant stats, and maps designated safe zones
- Inspired by my own analysis of what went wrong on 03/11/2011
- Data from Japan Meteorological Agency's API, written in C

Sonify
Lead Engineer

- Built an Android app that visualizes musical beats through colored lights for live concerts
- Sonify records a song, converts to WAV file to extract sound energy, computes beat, then flashes light accordingly
- Leveraged sound energy of a file by computing instantaneous sound energy and a rolling average energy over a window of time

AWARDS

🏆 **3rd Place**
Venmo's "Make Money Less Awkward" Intern Hackathon 2019

🏆 **UChicago GHC Scholar 2018**
Awarded by Department of Computer Science

🏆 **Youngest Entrepreneur Award and 3rd Place**
Vietnam EdTech Hackathon 2015

EXTRACURRICULARS

compileHer @ UChicago
Head of Professor Outreach

📅 June 2018 – present

In charge of planning professor volunteer and teaching at events

compileHer @ UChicago
Operations Manager

📅 June 2017 – June 2018

Draft grants to the Women's Board to fund coding workshops and hackathons for local middle school girls

EDUCATION

B.S. Computer Science with specialization in Computer Security
The University of Chicago

📅 Sept 2016 – June 2020

Dean's List

High School Diploma
Phillips Academy, Andover

📅 Sept 2012 – June 2016

STRENGTHS

Perceptive   Prudent   Candid
Innovative   Inquisitive

Python   JavaScript   C   HTML / CSS
SQL   Racket   TensorFlow   Rasa
React Native   React.js   REST APIs

LANGUAGES

English   ●●●●●
Japanese ●●●●●
Spanish   ●●●○○

INTERESTS

Karate (brown belt)   Music Production
Hip hop   Arrested Development
ML/AI   NLP   Philosophy