Alessa R. Cross

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EDUCATION

The University of Chicago   Chicago, IL
Bachelor of Science in Computer Science   Expected June 2020
  • Dean's List 2016 - 2018

Phillips Academy Andover   Andover, MA
Diploma   June 2016
  • SAT: M 780 W 740 CR 720

PROJECTS & EXPERIENCE

FUSE (University of Chicago Booth School of Business Polsky Accelerator)   Chicago, IL
Software Engineering Intern   June 2018 - August 2018
  • Designed UI and programmed front-end of social media iOS application
  • Built functionality that allows users to create categorized news feeds populated with content from various social media and news sources, seamlessly drag content from feeds into internal group chats, and watch live videos together within internal group chats
  • Self-taught JavaScript, React, React Native, HTML, CSS in 3 weeks and built interface in the following 7 weeks
  • Assisted in planning company vision and Demo Day pitch, delivered to audience of 250+

The University of Chicago Office of Enrollment and Student Advancement (ESA)   Chicago, IL
Technology Intern   June 2017 - October 2017
  • Maintained enrollment system data, de-duplicated invalid student records and supported Admissions staff with technology equipment and system functionality

Safeguard+   Tokyo, Japan
Founder   August 2013 - present
  • Designed and founded an iOS application that alerts users seconds before an earthquake, displays tsunami statistics and designated nearby safe zones on a map using the Japan Meteorological Agency's API

Vietnam Hackademics   Ho Chi Minh City, Vietnam
Contestant   August 2015
  • Recipient of Youngest Entrepreneur Award and 3rd place at national education technology hackathon (over 100 participants)
  • Designed and pitched an Android app, "f1bonacci," a platform for local elementary school students to post math problems and certified teachers to respond with pictures of step-by-step answers

EXTRACURRICULAR ACTIVITIES

compileHer, The University of Chicago   Chicago, IL
Operations Manager   November 2017 - present
  • Helped draft grant to the University Women's Board to fund coding workshops and hackathons for local female-identifying/non-binary middle schoolers interested in Computer Science
  • Coached a team of five 6th graders at the designHer hackathon and helped them win the Best Design award

UChicago TechTeam, The University of Chicago   Chicago, IL
ThinkTank team member   December 2017 - present
  • Developed instructional PDFs on how to use Facebook Analytics, Twitter Analytics and Google Drive for TechTeam's clients, primarily Chicago non-profits and members of local government

SKILLS & INTERESTS

Technical: JavaScript, C, React Native, React, x86 assembly language (AT&T syntax), HTML, CSS, Racket (Lisp-Scheme family), Git, Apache Subversion, PostgreSQL (basic)
Language: English and Japanese (fluent), Spanish (proficient), Basque (beginner)
Interests: Karate (brown belt), Japanese tea ceremony, machine ethics, Kappa Alpha Theta sorority
Awards: UChicago Grace Hopper Conference 2018 Scholarship recipient, UChicago Summer Action Grant 2018 recipient