

LILY ZHANG

FULL STACK DEVELOPER

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EDUCATION

Northwestern University

B.S. Computer Science, 2018
GPA: 3.70/4.00

Relevant Coursework

Human Computer Interaction
Data Structures & Algorithms
Design & Analysis of Algorithms
Artificial Intelligence
Agile Mobile Development
Tangible Interaction Design
and Learning
Machine Perception of Music
and Audio
Human Centered Product Design

LANGUAGES

Proficient

Python, Flask, JavaScript
(Node.js, AngularJS,
CoffeeScript), HTML, CSS

Familiar

Swift, C++, C#, MATLAB

PROFILES



lilyzhang



lilyzhang



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lszhang96

WORK

SOFTWARE ENGINEERING INTERN, AMAZON

Summer 2017: The Alexa Service Team

- Design and implement Alexa skill using Node.js to demonstrate new features on Alexa
- DynamoDB, Alexa SDK, Mocha, Chai, Sinon

UNDERGRADUATE RESEARCHER, DELTA LAB

Jan 2017—present

- Research methods to promote the growth mindset and close the gender achievement gap in the context of computer science
- Awarded 2017 Undergraduate Research Grant

SOFTWARE ENGINEERING INTERN, TOVALA

Summer 2016: PubNub, AsyncDisplayKit, InfluxDB, Grafana

- Developed web app for oven control and data visualization
- Assisted on iOS app development and testing

TEACHING ASSISTANT, NORTHWESTERN UNIVERSITY

Jan 2016—present: Human Computer Interaction

- Lead discussion sections to teach HTML, CSS, and JavaScript
- Run studio sessions focused on design iteration and user testing

PROJECTS

KEYSTROKES

CoffeeScript

Atom package for reading and recording keystrokes and timestamps and giving users feedback on certain coding habits such as commenting, testing, and debugging.

SEE MAJOR

Python, Flask, JavaScript, D3

Full-stack web app running on Flask for separating audio signals into foreground and background signals using REpeating Pattern Extraction Technique (REPET) and then displaying the audio frequencies, extracted using Web Audio API, as data charts using D3 framework.