CAROLINE SHI

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EDUCATION
University of Texas at Austin, Class of 2019
B.S. in Computer Science (GPA: **3.9/4.0**)

COMPUTER SKILLS
Languages:
- *Proficient:* Java (Most experience), C, C++, Python, Swift, HTML/CSS, Javascript, Hack
- *Familiar:* Haskell, Objective C, SQL, C#

EXPERIENCE
Facebook (Software Engineering Intern)   May 2018 - August 2018
- Worked on various projects related to Video Search for multiple platforms
  including **iOS (using Objective C)** and **Web (using Hack)**
- **Launched** a date filter for videos on Facebook's main app on iOS to the public
- Learned and used many internal development frameworks and APIs

Blackbaud Inc. (Software Engineering Intern)   May 2017 - August 2017
- Used **Apache Kafka**, transferred data from Kafka queue to **Elasticsearch**
  for a search service
- Used JPA (**Hibernate**) to map objects to database tables
- Fixed defects in the classic product involving SQL queries, HTML encoding, and JavaBeans
- Wrote integration and component tests in **Java** and **Groovy**

uShip Inc. (Software Development Intern)   May 2016 - August 2016
- Created and improved reusable components with **React.js**
- Used **.NET Framework 4** to implement features such as Push Notifications,
  API and client-side user validation
- Used **Mercurial** and **Git** for version control, wrote unit tests, performed continuous deployment

SIDE PROJECTS
We Wet Our Plants (**HackTX: 2nd Place**)   October 2018
- Built an automated plant watering system that takes photos of plants, sends the images
  to a server for processing, and waters the necessary plants based on the results
- Technologies used: Raspberry Pi, MongoDB Atlas, OpenCV, Flask

Watchpot (**HackUTD: Best Hardware Hack**)   March 2017
- Built an iOS app controlling an IoT electric pot stirrer with attached thermocouples
- Programmed app to interact with a Particle Photon, allowing users to set the power of the stirs,
  the time interval between stirs, and the temperature at which stirring should begin

Perooze   November 2015
- Implemented an iOS App integrating the Tesseract OCR to search for words
  in physical documents

ORGANIZATIONS & LEADERSHIP
MAD (Mobile App Development)   August 2015 - present
- **Teaching Assistant** for iOS workshops from September 2016 - August 2017

CodePath University   January 2017 - May 2017
- **Teaching Assistant** for iOS bootcamp

AWARDS & INTERESTS
HackTX 2018: 2nd Place Overall and The Home Depot Specialty Prize
HackUTD 2017: Best Hardware Hack for Watchpot
uMAD Developer Conference 2016: Project Showcase Award for Perooze
Foreign Languages: Fluent in Chinese and Japanese
Self-taught instrumentalist: Piano, guitar, drums, clarinet, alto saxophone, and ukulele