

# Alexa Sih

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## EDUCATION

**GPA: 3.49**

**Boston University**, Boston, MA

**May 2020**

*Dual Degree, B.A. Computer Science, B.S. Business Administration, Management Information Systems Concentration*

**University of Edinburgh**, Edinburgh, Scotland

**January 2019-May 2019**

*Coursework: Data Structures & Algorithms, Computing Systems, Agile Development Methodologies, Managing Data Resources, Information Systems, Full Stack Application Development, Software Testing, Computer Security*

## SKILLS

Python, Java, Swift, HTML, CSS, MySQL, MongoDB, Spring Boot, Photoshop, InDesign

## WORK EXPERIENCE

**Cisco**, San Jose, CA

**June 2019-August 2019**

*Software Engineering Intern*

- Programmed backend functionality for iOS mobile app on Agile team – user ratings, briefcases to save favorited content (Swift)
- Created 4 responsive front-end screens – filter, homepage, briefcase, share and alert pop ups (Swift)
- Developed video streaming application with another intern using AWS and Amazon S3 that allows users to upload and playback videos using Java, Video.js, and Spring Boot

**VACO**, Boston, MA

**October 2017-May 2018**

*Google Student Innovator*

- Organized workshops and product demos for the 2017-2018 school year to promote Google Cloud Platform to the 74,000 Boston University students on campus
- Developed knowledge of Google Cloud Platform and third-party tools to teach workshops highlighting Google's Machine Learning APIs and Google App Engine to show students how GCP can work for them

## TECHNICAL EXPERIENCE

**Price Alerts**

**Python, MongoDB**

- Implemented BeautifulSoup4 for web-scraping to track the prices of items on websites, created web application that allows users to track items and receive notifications for sales
- Stored website links and real-time item prices on the MongoDB database, used Mailgun to program e-mail alerts and notify users when selected items drop in price

**Web Blogging**

**Python, MongoDB**

- Created a full stack web application for blogging using Jinja2 templates, HTML, CSS, and Bootstrap
- Used REST API calls and MongoDB database allowing users to login, create, and manage multiple blogs on one site

**Clima**

**Swift**

- Created an iOS weather application that updates users on weather based on current location
- Incorporated search feature to update users on current weather in various locations

**Todoey**

**Swift**

- Developed a to-do list iOS application with gradient UI to help users manage tasks
- Programmed application to manage multiple to-do lists and added swipe feature to easily delete tasks after completion

## LEADERSHIP EXPERIENCE

**Open Web**, Boston, MA

**January 2018-December 2018**

*President*

- Organized weekly meetings from diverse majors and backgrounds to encourage and build a community of web and mobile application student developers
- Implemented new strategies: internal workshops, peer mentoring, organized first company partnership with HubSpot

*Treasurer and Social Media Manager*

**May 2017-December 2017**

- Managed the club's finances and held the club's first fundraiser at Chipotle, raising \$135+ for the club's 21 members
- Created Facebook and Instagram graphics that tripled the number of people reached to increase social media presence