

Ashley Chang

☎ 434-849-4438

✉ ashley_e_chang@brown.edu

in [/ashley-e-chang](#)

🌐 [/spswatron](#)

🌐 [ashley-chang.me](#)

🎓 Education

Brown University

BA Computer Science

BA English

August 2019 – May 2023

Providence, RI

GPA 4.0/4.0

🌐 Experiences

Brown University Computer Science

Undergraduate Teaching Assistant

August 2020 – Present

Providence, RI

- Held office hours for students taking CS111 (Computing Foundations: Data) where I assisted them with their homework and class problems
- Conducted lab hours in which I taught students key computing concepts as well as provided guidance for them when they proceeded to do the subsequent lab assignment

Watson Institute for Public Affairs

Research Assistant

January 2020 – Present

Providence, RI

- Manually and digitally transcribed thousands of 1960s Chinese government cables from the Ministry of Foreign Affairs using pytesseract and ABBYY Finereader
- Wrote computer programs in Python and Scala to keep track of documents processed, convert the files in specified directories into different formats, and prepend metadata tags to documents

🔧 Projects

Ursa Minors Website

[ursa-minors.ashley-chang.me](#)

- Created a website for my acapella group with a React front-end and Flask back-end
- Used the Google Sheets API to live update the members info page every time a group member filled out their bio information in a specified Google Form
- Used flask-mail to send messages inputted into the website's contact form to the various members of the Ursa Minors executive board.

Carpe

[carpe.ashley-chang.me](#)

- Created a productivity suite that includes Elapsify, which starts a stopwatch every time a task is entered, Homework Tracker, which inputs to-do list items into a calendar, and Message Center, which is a rich text editor that stores users' notes.
- Used localStorage to cache inputted information and persist the site's state even after being closed
- Used React Native to create a native Android and iPhone version of Carpe.

Comix Match

[comix-match.herokuapp.com](#)

- Used Selenium to collect the Goodreads rating information for over seven thousand books
- Goodreads does not provide an option to sort books listed in their categorical shelves by rating, so I created a website which displayed the books in certain Goodreads shelves by rating, with the option of sorting the books by other methods such as by total reviews or random.

⚙️ Skills

Expert Python, Scala, Java, React, Word, and Excel

Proficient REST APIs, Javascript, HTML, CSS, Git, and C

📍 Activities

Beatboxer for Ursa Minors acapella group, writing instructor for SEADD, Meiklejohn peer advisor