



Sophia Chen

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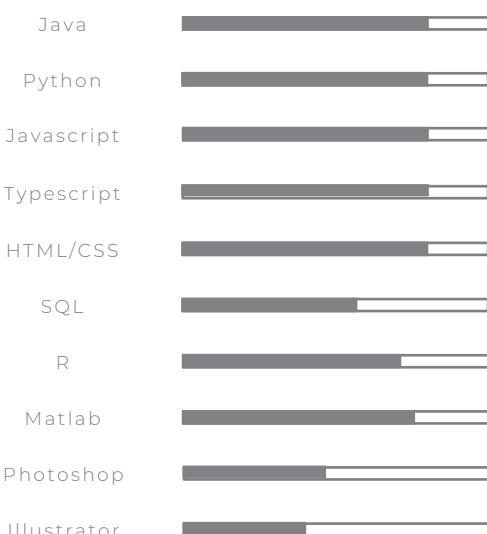
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SKILLS



EDUCATION

COMPUTER SCIENCE-APPLIED MATH

Bachelor of Science, GPA: 3.9

BROWN UNIVERSITY

September 2017 - May 2021

Computer Science Coursework: Accelerated Intro to CS, Discrete Structures & Probability, User Interfaces and Experiences, Software Engineering, Machine Learning, Computer Systems, Deep Learning, Artificial Intelligence, Computer Vision, Data Science

Applied Math Coursework: Statistical Inference, Applied Ordinary Differential Equations, Operational Analysis: Probabilistic Models, Computational Linear Algebra, Recent Applications of Probability and Statistics, Applied Partial Differential Equations

EXPERIENCE

SOFTWARE ENGINEERING INTERN

MICROSOFT - BING

May 2020 - August 2020

Worked on a query reformulation NLU project for improving the question-answering experience for non-triggered queries.
Outlined product definition, carried out large scale data collection through crowdsourcing and search log mining, evaluated data quality as initial phase of task.
Trained and evaluated model, built end-to-end product using trained query reformulation model.

FRONTEND DEVELOPER

INTUS CARE

February 2020 - May 2020

Worked on various frontend features of caregiver and admin portals.

COMPUTER SCIENCE TEACHING ASSISTANT

BROWN U

September 2019 - May 2020

Responsible for developing course materials, leading lab sections, and holding weekly office hours on course content (e.g. git, databases, HTML/Javascript, concurrency, React, UI/UX design topics).
Served as a mentor for 3 final software engineering projects to aid in development of a product.

EXPLORE (SWE & PM) INTERN

MICROSOFT - BING

May 2019 - August 2019

Worked full-stack to design, develop, and deploy a new weather map answer in Bing with NLU and Experiences team.
Delivered back-end service to process user queries and integrate with front-end experience.
Improved existing querying model to feature greater coverage of map related queries and ensure global market support.
Contributed to front-end development of weather map answer.

SOFTWARE ENGINEERING INTERN

NCAR

May 2018 - August 2018

Worked on production of CHORDS portal, a real-time data service platform for data acquisition, analysis, and distribution.
Designed REST API endpoints for JSON/GeoJSON data extraction.
Created visualization tools that aid in instrument monitoring and data processing.
Enhanced portal's performance for high volumes of data and users

MEMBERSHIPS AND HONORS

HACK@BROWN CODIRECTOR

Leading a team of 40+ students to organize Brown's largest hackathon of 400+ participants.
Coordinating development, design, sponsorship, publicity, experience, workshops, and hardware teams to facilitate communication and planning with sponsors and hackers.

HACK@BROWN DEVELOPMENT TEAM

Collaborated with a team of 6 to develop the website and day-of tools for Brown's annual hackathon.
Implemented frontend interface/experience for application portal.
Integrated frontend data to backend database.

NCWIT ASPIRATIONS IN COMPUTING AWARD RECIPIENT

Award given to young women who have demonstrated achievement and passion in computing and technology.