Sophia Chen

Computer Science - Applied Math - Design

schen9981@gmail.com
(303) 513-7016

sophiachen9981.web.app
linkedin.com/in/sophiachen9981
github.com/schen9981
medium.com/@sophia_chen1

SKILLS

- Java
- Python
- Javascript
- Typescript
- HTML/CSS
- SQL
- R
- Matlab
- Photoshop
- Illustrator

EDUCATION

COMPUTER SCIENCE-APPLIED MATH @ 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: Probablistic Models, Computational Linear Algebra, Recent Applications of Probability and Statistics

EXPERIENCE

DEVELOPER @ INTUS CARE

February 2020 -

Working on various frontend features of caregiver and admin portals.

COMPUTER SCIENCE TEACHING ASSISTANT @ BROWN UNIVERSITY

UI/UX, SOFTWARE ENGINEERING
September 2019 - May 2020

Reponsible 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). Alo served as a mentor for 3 final software engineering projects to aid in development of a product.

EXPLORE (SWE & PM) INTERN @ MICROSOFT - BING ENGINEERING

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 - EARTH OBSERVING LAB

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

ENGINEERING & DATA SCIENCE INTERN @ NCAR - CISL

August 2015 - August 2017

Designed statistical models and tools used to research relationships in the Earth sciences.
Optimized statistical analysis of geophysical data using high performance parallel computing.
Designed web apps for displaying atmospheric data.

MEMBERSHIPS AND HONORS

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.