

Joseph Wang

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EDUCATION

UNC-CHAPEL HILL

BS IN CS

Aug 2020-Dec 2022 (exp.)

Chapel Hill, NC

Cum. GPA: 3.857 / 4.0

NCSSM

HIGH SCHOOL DIPLOMA

Aug 2018-May 2020

Durham, NC

LINKS

Github:// [purplepotatodonkey](#)

LinkedIn:// [joseph-wang](#)

Personal Site:// [wangjoseph.me](#)

COURSEWORK

UNDERGRADUATE

Files and Databases

Machine Learning

Computational Photography

Computer Organization

Modern Web Programming

Algorithms and Analysis

Internet Services and Protocols

Data Structures and Analysis

Discrete Structures

Probability for Data Science

Models of Language and Computation

System Fundamentals

Foundations of Programming

HIGH SCHOOL

Procedural Programming

Java

Advanced Java

AP Computer Science A

Mathematical Modeling

SKILLS

TECHNICAL SKILLS

Java • C++ • C • Python

HTML • CSS • JavaScript

TypeScript • React.js • NodeJS

Shell • \LaTeX • Flask • APIs

Ruby on Rails • Git

SOFT SKILLS

Bilingual Communicator (English, Chinese)

Project Management • Logistics

Self-directed • Mentoring

Effective Communication • Teamwork

EXPERIENCE

AMAZON WEB SERVICES, INC. | SOFTWARE DEV ENGINEER INTERN

May 2022 - Aug 2022 | Boston, MA

- Responsible for developing product features on the AWS EMP team.
- Designed and implemented integrations to Google Calendar, Microsoft Outlook, and Apple Calendar with the AWS EMP Calendar.
- Employed AWS Polaris Design System, Typescript, ReactJS, and API technologies.

NCINO | SOFTWARE ENGINEERING INTERN

Oct 2021 - Mar 2022 | Remote

- Developed unit testing for nCino to Magic-Wrighter software interactions
- Supported credit team in the development and maintenance of cloud-based banking features.

INSIDER.SERVICES INC. | SOFTWARE ENGINEERING INTERN

Apr 2021 - Sept 2021 | Atchison, KS

- Designed algorithms to filter for potential stock candidates from SEC filings.
- Incorporated APIs to automate stock screening, eliminating need for manual valuations and search.
- Built web-scraping and sentiment analysis software, decreasing search time by 70%.

MEDKOO BIOSCIENCES | TECHNICAL WRITER INTERN

May 2021 - Aug 2021 | Morrisville, NC

- Designed and created product data sheets for biochemicals.
- Coordinated with a team of four to update information across 2000 chemicals under research.

SELF-EMPLOYED | PRIVATE TUTOR

May 2017 - Present | Chapel Hill, NC

- Improved grades for over 30 students with 100% success rate.
- Developed unique curriculums around problem-solving and passion.
- Guided select students in research in polymer chemistry, psychology, and neuroscience and national/international competitions for math, chemistry, and physics.

SELECTED PROJECTS

NOTE-TAKING WEB APP

Worked with HTML, CSS, and flask library to create a note web app capable of storing personal notes and authenticating users to allow access for notes.

TWITTER NATURAL-LANGUAGE-PROCESSING

Used Stanford CoreNLP and Twitter API to design a sentiment analysis java program that visualizes prevalence of positive and negative sentiment in tweets containing keywords.

WEATHER ANALYTICS PYTHON MODULE

Used matplotlib to create a data visualization program for weather statistics from NOAA.

CONTAGION SIMULATION MODULE

Used python turtle to create gfx serving as 2D graphical visualization of exponential nature of pathogens.

JAVAFX CHECKERS GAME

Developed fully-functioning checkers game with user-friendly GUI using javaFX.