

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

B.S. IN COMPUTER SCIENCE AND LINGUISTICS

GPA: 3.82/4.00

Business Minor, Dean's List, Expected May 2023

EXPERIENCE

HP Summer Scholar

Jun 2020 – Jul 2020 | Remote

- Explored technological advancements made by HP while learning about business operations
- Established an ongoing mentor relationship with a HP employee

CS 125 Course Assistant

Jan 2020 – May 2020 | UIUC, IL

- Assisted with lab section AYE and held office hours to help students with their Android Studio machine projects

Silicon Valley Youth Website Design Instructor

Aug 2017 – Aug 2019 | Silicon Valley, CA

- Created an Intro to Website Design and an Advanced Website Design curriculum to teach students how to create a functional website using HTML and CSS

Tutor

Mar 2018 – Jul 2019 | Los Gatos, CA

- Tutored an international student from Hong Kong in English, Math, and Science

Girls Who Code Summer Immersion Program Participant at IBM Bay Area

Jun 2017 – Aug 2017 | San Jose, CA

- Learned various languages, including Swift, Python, JavaScript, HTML, CSS, and C++
- Developed an app called NutriScan with a team, which was featured on the GWC front page

FCSN Volunteer

Feb 2017 – Aug 2017 | San Jose, CA

- Assisted special needs students with drawing, reading and writing, cooking, mathematics, and playing sports/games

SIVI Camp Design Thinking Instructor

Jun 2016 – Aug 2016 | Bay Area, CA

- Taught international Chinese students how to develop STEM projects using design thinking

PROJECTS

Nutriscan

App scans food labels using Tesseract, takes in users' food allergies/restrictions, and informs users on the foods' nutritional content and consumption safety based on users' input. Developed using Swift/xCode, utilizes Google's Tesseract OCR API.

Ping Pong Game

(github.com/CS126SP20/final-project-violaz2)

Developed a 2-player ping pong game using C++/CLion, utilizes SQLite, cinder, gflags, and PretzelGUI.

Snake Machine Project

App that finds items on a map of the UIUC campus. Developed using Java/Android Studio, utilizes GSON/JSON.

SKILLS

Java, HTML, CSS, C, C++, Unix/Linux, Vim, Swift, Android Studio, xCode, CLion, Git, Website Design
LANGUAGES: English (Native), Chinese (Native), Spanish (Limited)

COURSEWORK

Intro to Computer Science (CS 125), Intro to Language Science (LING 100), Software Design Studio (CS 126), Elements of Syntax (LING 301), Elements Semantics and Pragmatics (LING 307), Discrete Structures (CS 173), Data Structures (CS 225)

LINKS

Github://violazhao
LinkedIn:// viola-zhao-80a322146