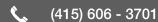
PATRICIA TSE

Student

Aspiring Software Developer

CONTACT



patriciaktse@gmail.com

n linkedin.com/in/patriciaktse

___ https://pktse.github.io/Portfolio/

EDUCATION

University of California, Berkeley, CA Bachelor of Arts in Computer Science, expected 2023 3.83 GPA

Regents' and Chancellor's Scholar

Courses: The Structure and
Interpretation of Computer Programs;
Data Structures; Efficient Algorithms
and Intractable Problems; Machine
Structures; Introduction to Artificial
Intelligence; Computer Security

SKILLS

Python

Java

Javascript

HTML/CSS

XD

InDesign

Illustrator

Procreate

PROFILE

I'm a junior at UC Berkeley pursuing a career in computer science. I have a passion for arts (whether that be digital or traditional) and learning new things (like skateboarding or guitar)!

PROFESSIONAL EXPERIENCE

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Feb 2020

Juni Learning

- present Cor

Computer Science Instructor

 Teaching Python and Scratch to kids aged 5-15, in groups of 1-4 students, covering the fundamental ideas behind computer science to recursion and sorting

May 2021
- August
2021

Amazon

- SDE Intern
- Designed + created finite state machine to automate the process of refreshing and validating test accounts
- system takes a few hours to complete the task which originally took multiple days of manual work and is smart it enough that it reduces Sev 2s resulting from invalid accounts

EXTRACURRICULARS -

Jı

June 2020 - present

Convergent

Front-end Developer + UI/UX Designer

- Use HTML and CSS to create a website, Collayt, to connect students who want to do freelance
- Designing the UI/UX using Adobe XD
- Using Javascript, programming the back-end IDE for our crowdsourced algorithms website, Sotira

2019

Phi Beta Lambda

Tech Committee Fall Analyst

- Analyzed Facebook data and APIs using Panda and Python to draw correlations between usage and user
- Created an algorithm that would generate an optimal table of time slots based on the preferences of members which was used by 65+ members
- Used Selenium and web scraping to automate the process of booking library study rooms

PROJECTS



2020

Chord-Generator

Java

- Programming the GUI and source code of a synth using my understanding of music theory to autogenerate 22 chords based on the inputed music key
- Working on adding an AI that would analyze the emotion of a piece of text and generate a chord progression that would reflect the mood