AUSTIN CHOW

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EXPERIENCE

Stanford CS Undergraduate Research Intern (AI Lab)   *6/2018 – Present*
Languages used: Python, HTML/CSS, JavaScript, Julia

o   Prototyped, designed, and created a Flask web interface that teaches rudimentary piano playing through temporally clustered video segments
o   Feedback mode records the user playing the snippet on a piano and uses a convolutional neural net to detect mistakes and its location in the segment
o   Interface asynchronously runs with a Markov Decision Process that is used for user feedback (determines whether next suggested video segment is given to user with autonomy, shared autonomy, or neither)
o   Used Jinja and POST/GET requests to link the Python and HTML

Tree2Tree iOS Developer   *1/2018 – Present*
Languages used: Swift

o   Designed and built iOS application using Swift to accessibly connect Stanford students to local community service opportunities
o   Event browser asynchronously displayed in a self-updating UITableView that includes filtering, searching, event information, and shift sign ups
o   Firebase and custom login verification and storage
o   Various APIs created to load profile page, friends/groups and events
o   Low and high-fi prototypes created in Sketch

OneJump iOS Developer   *9/2017 – 12/2017*
Languages used: Swift

o   Designed and built iOS application using Swift to connect One Jump with its younger user base. Helped curate, connect, and sponsor enrichment opportunities for underserved students.
o   One Jump - platform of nearly 3000 student users in more than 164 schools in 23 states; 135 teachers / counselors
o   Scholarship / Event browser displayed in UICollectionView
o   Various API calls made to connect to OneJump's extensive database

Dare to Care: Compassionate Design   *4/2017 – 6/2017*

o   Designed and presented prototypes for equipment/tools catered directly for differently abled persons
o   Implemented several iterations of the design process for each project (concept, ideation, testing, guard/warn, performance)
o   Projects: solar panel backpack, wheelchair tray, hearing aid, seeing eye dog

Stanford VPTL: Tech Desk Consultant   *9/2017 – Present*

o   Provide help with image, audio, and video editing questions at the learning hub
o   Troubleshoot issues with computers, cameras, and other electronic equipment to users

CS52: Studio Teaching Assistant   *9/2018 – 7/2019*

EDUCATION

Stanford University, Class of 2020
B.S. in Computer Science
Artificial Intelligence / HCI
GPA: 3.44

SKILLS / INTERESTS

Programming Languages:

C++, Python, HTML/CSS, Swift
(Proficient)

Java, C, JavaScript, Julia
(Familiar)

Software/Frameworks:

Eclipse, QT Creator, Unix/Linux, XCode, Android Studios, NodeJS, AngularJS, MongoDB, SQL, Flask, Sketch, Adobe Photoshop, Lightroom

Languages: Spanish, Burmese

Interests:

Photography, Basketball, Dance, App Development, Artificial Intelligence, Machine Learning, Reinforcement Learning

COURSEWORK

Artificial Intelligence (CS221)
Algorithm Analysis (CS161)
Object Oriented Prog. (CS108)
Computer Systems (CS107)
Prog. Abstractions (CS106B)
Prog. Methodology (CS106A)
Probability in CS (CS109)
Mathematical Foundations of Computing (CS103)
Web Applications (CS142)