CLAIRE SUN

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EDUCATION

Brandeis University
Computer Science BS
Neuroscience BS
Dean's List Scholarship
Graduating May 2018
GPA: 3.4/4.0

LANGUAGES

Java, Python, Javascript, HTML, CSS, MATLAB

TECHNOLOGIES

Meteor, Git, Speech Recognition, VUI design, 3D printing, 3D scanning, 3D modeling, Node.js, React.js

COURSEWORK

Data Structures and Algorithms, Operating Systems, Discrete Math, Principles of Neuroscience, Systems Neuroscience, Mathematical Logic, Advanced Programming, Data Analysis and Statistics, Voice Application Design

EXPERIENCE

SOFTWARE ENGINEER AND USER INTERFACE DESIGNER, INVOLUTION
JANUARY 2018-PRESENT

- Developed voice user interface to collect health data points for clinical transcription using ReactJS and the Dialogflow API
- Conducted user testing with clinicians and patients and constructed multiple interface versions after review
- Thoroughly researched conversational interaction design and HIPAA and FDA guidelines

TEACHING ASSISTANT, BRANDEIS CS DEPARTMENT
JANUARY 2016-JANUARY 2017

- Responsible alongside a team of TA's for the needs and questions of 130+ students
- Succinctly taught programming basics, real world applications, and python syntax
- Responsible for explaining the behavior of common data structures

TECHNICAL SUPPORT INTERN, DASSAULT SYSTEMES SOLIDWORKS CORP
MAY 2016-AUG 2016

- Recorded detailed documentation of 100+ existing software bugs
- Conversed directly with project-head developers of unusual software behavior

PROJECTS

DOCFINDER (HTML, CSS, JAVASCRIPT)

- Winner of the AVIOS competition for Best Speech Application 2018
- Doctor search engine that combines API data with speech recognition
- Incorporated APIs for speech recognition, chatbot dialog, and prescription information

AUGMENTED REALITY VIEWER (HTML, CSS, JAVASCRIPT)

- Web application to view 3D models of projects produced by Brandeis research in AR using AR.js, Three.js, and A-frame
- Users are able to select a project they would like to view and interact with the 3D model using a QR code and webcam

LEADERSHIP

VICE PRESIDENT, 3D PRINTING CLUB
AUGUST 2017-PRESENT

- Organize weekly club meetings to expose students to fabrication technologies and their application in emerging technology fields