

Hana Mizuta



mizuta.hana@columbia.edu



/mizutahana



hanamizuta.com

EDUCATION

Columbia University | Bachelor of Science, Computer Engineering

May 2020

GPA 3.86, Dean's List

Fall Coursework: Data Structures, Signals & Systems, Discrete Math

Completed Coursework: Intro Java, Intro Python, Intro Electrical Engineering

PROFESSIONAL EXPERIENCE

Liquidaty | Software Engineering Intern

Jan – Aug 2017

- Engineered their Auto Asset Backed Securities Analytics Web Portal, taking it from design to implementation
- Used by some of America's largest banks, issuers and investors, including a Top 5 Bank
- Refactored legacy code to extract new features from a persistent database, enabling greater analytics insights
- Web scraped the SEC website, and created new Python code to automatically update Liquidaty's database
- Worked with Python, Bash Scripting, Node.js and Front-End Development

Pacific Hearing Service | Customer Service Representative

May – Aug 2016

- Performed tests and cleanings on behind-the-ear and in-the-ear hearing aids

PROJECTS

Speech Helper

Present

- Created a communication aid for those who are hard of hearing using speech-to-text-to-speech generation
- Utilizes JavaScript's Web Speech API for speech-to-text and text-to-speech generation
- Employs TarsosDSP, a Java library for audio processing, to map the frequencies in the original voice to the generated speech so the automated voice sounds less computerized and more personal, adding to the experience

Theremin Circuit

April 2017

- Built a Theremin circuit with photoresistors, an Arduino Uno, an opamp used as a pre-amp, an amplifier, and a speaker

WithRosé

Spring 2017

- Designed and coded a fashion blog coded in HTML, CSS, JavaScript, and JQuery

ShowerThoughts

Jan 2017

- Built a new tab chrome extension pulling the 25 most liked posts from the subreddit ShowerThoughts using the API
- Featured on Product Hunt, currently has over 200 downloads from the Chrome App Store
- Created at DevFest 2017, Columbia University's annual hackathon

ACTIVITIES

Piano

2003 – present

- Perform in a piano trio with two Juilliard Conservatory musicians. Performed at Carnegie Hall Spring 2017
- Raised thousands of dollars per concert as President of Hope of Music from 2013 to 2016. Planned, led and performed in benefit concerts supporting Haiti, Japan, and Nepal Earthquake reliefs, children's book drives, and more
- Select Awards: Semifinalist Presidential Scholar of the Arts, Finalist National YoungArts, Member of Music Teachers' Association of California Young Artists' Guild Class of 2020, 1st place Galante Competition, Menuhin Competition, SF Chopin Competition, 2nd place Pacific Musical Competition, Finalist Ross McKee Competition
- Graduated the San Francisco Conservatory of Music PreCollege in May 2016

SKILLS

- Technical Skills: Java, Python, HTML, CSS, JavaScript, JQuery, MatLab, Arduino, SAP2000
- Limited Working Proficiency in Japanese