Hana Mizuta

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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, Physics Mechanics/E&M

EXPERIENCE

Liquidaty | Software Engineering Intern   Jan – Aug 2017
- Designed and implemented company's first UI and refactored MySQL legacy code for Auto Asset-Backed Securities Analytics Web Portal; used by some of America's largest banks, issuers and investors, including a top 5 bank
- Wrote web-scraping Python code to gather data from the SEC website and automatically update Liquidaty's database
- Created machine learning bash script (BigML) to determine best interest rates for loan level securities

PROJECTS

Speech Helper   Present
- Mobile application to amplify sound based on speech detection to eliminate negative feedback
- Utilizes JavaScript's Web Speech API and Java Library TarsosDSP
- Performed tests and cleanings on behind-the-ear and in-the-ear hearing aids at Pacific Hearing Service

Theremin Circuit   April 2017
- Arduino based instrument that changes pitch depending on the height of your hand above the instrument
- Increased accuracy of frequencies by maximizing voltage difference across photoresistors and using nonlinear mapping

With Rosé   Spring 2017
- Fashion blog designed and coded with HTML, CSS, JavaScript, and jQuery

ShowerThoughts   Jan 2017
- Chrome extension built at Columbia's annual hackathon; Top 10 feature on Product Hunt with 200+ downloads
- Pulls the 25 most liked posts from the subreddit ShowerThoughts

ACTIVITIES

Piano   2003 – present
- Performed at Carnegie Hall in Spring 2017 as a member of a piano trio with two Julliard Conservatory musicians
- Semifinalist Presidential Scholar of the Arts; Finalist National YoungArts; MTAC Young Artist's Guild; 1st place Galante
- Graduated the San Francisco Conservatory of Music Pre-College in May 2016
- Raised over $20,000 through benefit concerts as President of Hope of Music, a student-run music organization

Jumpstarting Aspiring Developers and Entrepreneurs   Jan 2017
- Explored NYC tech/startup scene through site visits and Q&As with CEOs, founders, CTOs, and other employees
- Completed accelerated web development course and deployed personal website, hanamizuta.com

SKILLS

Software Java, Python, JavaScript, Git, MySQL, Node.js, AWS, Bash, HTML, CSS, jQuery, MATLAB, SAP2000
Hardware Arduino, Digital Logic, LTSpice, Logicly
Japanese Limited Working Proficiency