

# 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

- Built 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

- Designed and coded a fashion blog 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, Spring 2017, as part of a piano trio with two Julliard Conservatory musicians
- Semifinalist Presidential Scholar of the Arts; Finalist National YoungArts; MTAC Young Artist's Guild; 1<sup>st</sup> 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

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