





# Hana Mizuta

5675 Columbia Student Mail 70 Morningside Dr New York NY 10027

 mizuta.hana@columbia.edu  (408) 355 – 8695  /mizutahana  hanamizuta.com

## EDUCATION

**Columbia University** | Bachelor of Science, Computer Engineering

May 2020

- GPA 3.9/4.0, Dean's List
- Current Coursework: Systems Programming, Computer Systems, CS Theory, Digital Systems Lab
- Completed Coursework: Data Structures, Signals & Systems, Discrete Math, Electrical Engineering Lab

## EXPERIENCE

**Liquidaty** | Software Engineering Intern

Jan 2017 – Present

- 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

## ACTIVITIES

**Hackathons**

2017

- BostonHacks (Oct 2017): Built Web App pharmAdopt with Facebook Graph API & Microsoft Azure ML API; won Most Objectively Human Prize and Diverse Team Prize
- DevFest (Jan 2017): Created Chrome extension ShowerThoughts; Top 10 feature on Product Hunt, 200+ downloads

**Piano**

2003 – present

- Performed at Carnegie Hall in Spring 2017 as a member of a piano trio with two Juilliard Conservatory musicians
- Semifinalist Presidential Scholar of the Arts; Finalist National YoungArts; MTAC Young Artist's Guild; 1<sup>st</sup> place Galante
- Graduated from 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, <http://hanamizuta.com>

## SKILLS

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