

# HANA MIZUTA

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## EDUCATION

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### Columbia University

Expected Graduation May 2020

- BS Computer Science, Minor Electrical Engineering; Dean's List, **GPA 3.8/4.0**
- Current Coursework: Distributed Systems (Golang), Parallel Functional Programming (Haskell), UI Design
- Previous Coursework: Operating Systems (C), Languages & Translators (OCaml), Machine Learning (Python)

## EXPERIENCE

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### Amazon AWS Billing Team, Software Intern | Berlin, Germany

Summer 2019

- Automated fixes to incorrect bills with pre-existing partial refunds using Kotlin, reducing manual work for AWS customer service representatives and decreasing bill fix SLA by 90%. Automation logic currently affects 200+ bills (\$5M+ in revenue) a month

### Columbia University Signals & Systems, Lab Assistant | New York, NY

Fall 2019, Fall 2018

- Instructed 20 students in MATLAB analysis of analog signals, covering topics such as continuous-time convolution, Fourier-series expansion, signal reconstruction, impulse response and forced response

### Amazon Applied ML Team, Software Intern | Tokyo, Japan

Summer 2018

- Created an LSTM neural net using Gluon on a MXNet backend to tokenize Chinese product names, achieving 95% accuracy, to ease porting of web features from America (amazon.com) to China (amazon.cn)
- Engineered a sequential neural net using Keras on a Theano backend that predicted customer review star ratings given the text in the review, used to standardize ratings on the 5-star scale

### Liquidaty Software Engineering Intern | New York, NY

Jan 2017 - Present

- Automated QA testing for RMBS analytics web portal using Katalon, reducing UI test time by 25%
- Implemented the first UI of company's web portal to analyze auto asset-backed securities (auto ABS). Added loan-level data on auto ABS, scraped from the SEC website with Python, to the web portal
- Represented company at 2019 SFIG Vegas, 2018 ABS East Miami, and 2017 Google Cloud Conferences

## ACTIVITIES & AWARDS

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### Piano

2003 - present

- Performed at Carnegie Hall (Spring 2019, Spring 2017), Lincoln Center (Spring 2018), and Symphony Space (Fall 2017, Spring 2017) as a member of chamber ensembles with Juilliard Conservatory musicians
- Semifinalist of Presidential Scholar of the Arts; Finalist of National YoungArts Foundation; Member of MTAC Young Artist's Guild; Received prizes at the Ross McKee Foundation and Pacific Musical Competitions
- Graduated from SF Conservatory of Music Pre-College and Young Chamber Musicians Society in May 2016
- Raised over \$20,000 through benefit concerts as President of student run music organization Hope of Music

### Hackathons

- BostonHacks (Oct 2017): Built WebApp PharmAdopt; won Most Objectively Human & Diverse Team Prizes
- DevFest (Jan 2017): Created Chrome extension ShowerThoughts; Top 10 feature on Product Hunt

## SKILLS

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### Languages

Java, Kotlin, C, Python, OCaml, JavaScript, MATLAB, HTML/CSS

### Hardware

EE Lab tools, Arduino, Digital Logic, LTSpice, Logically