Hana Mizuta

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EDUCATION

Columbia University | B.S. Computer Engineering   Expected Graduation May 2020
- **GPA 3.82/4.00**, Dean's List
- Current Coursework: Programming Languages, Digital Signal Processing, Circuit Analysis, Probability
- Completed Coursework: Computer Systems, CS Theory, Linear Algebra, Signal Processing, Discrete Math

EXPERIENCE

Amazon Applied ML Team, Software Intern | Tokyo, Japan   May – Aug 2018
- Created a sequential neural net with Keras on a Theano backend to predict the five-star rating of a customer review given the text in that review
- Architected an LSTM neural net with Gluon on an MXNet backend to tokenize Chinese language. Reached over 95% accuracy in tokenizing product names on www.amazon.cn
- Wrote a preprocessing script so users can quickly create training and testing datasets for the neural net
- Engineered a diff generator to compare tokenization differences between the neural net and Jieba, an open-source dictionary-based Chinese tokenizer, so users can qualitatively evaluate performance

Liquidaty Software Engineering Intern | New York, NY   Jan 2017 – Present
- Implemented first UI of company's web portal to analyze ABS; garnered significant interest from America's top banks, issuers and investors when introduced at the 2017 SFIG Vegas Conference
- Wrote web-scraping Python code to gather Auto ABS loan-level data from the SEC website
- Created machine learning Bash Script with BigML to determine best interest rates for loan level securities
- Tested analytics web portal functionalities with RMBS whole loans
- Increased client and investor interest in Liquidaty's solutions through demos by representing company at 2018 ABS East Conference in Miami and 2017 Google Cloud Conference in NYC

ACTIVITIES

Piano   2003 – present
- Performances at Lincoln Center (Spring 2018), Italian Academy (Fall 2018), Carnegie Hall (Spring 2017), and Symphony Space (Fall/Spring 2017) as a member of a piano trio with two Juilliard musicians
- Semifinalist of Presidential Scholar of the Arts; Finalist of National YoungArts Foundation; Member of MTAC Young Artist's Guild; Awarded prizes at 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 Hope of Music, a music organization

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

SKILLS

Langauges	Java, C, C++, Python, Ocaml, JavaScript, MATLAB, HTML/CSS
Tools	Keras, Gluon, MXNet, Theano, Vim, Git, Bash
Hardware	EE Lab tools, Arduino, Digital Logic, LTSpice, Logicly