MAY LI

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EDUCATION

2020 | **Northwestern University** | Chicago, IL

Transferred to McCormick School of Engineering - Class of 2020 | Major: Computer Science - Bachelor of Science (B.S.)
Intended Breadths in Artificial Intelligence and Software Development; N.U. Master of Science (M.S.) candidate

Vassar College — **GPA: 3.9 /4** — Poughkeepsie, NY

Major: Computer Science | Minor: Mathematics and Statistics - Bachelor of Arts (B.A.)
Relevant Coursework: Data Structures & Algorithms w/ Java, Cognitive Modeling & Machine Learning w/ R, Discrete Math,
Single Variable Calculus, Integration Theory & Sequences & Series, Problem-Solving & Abstraction w/ Scheme, Linear Algebra,
Multivariable Calculus, Computer Organization w/ C & Assembly, Independent Study in Deep Learning

2017 | **Horizons School of Technology** | San Francisco, CA

Software engineering fellowship at 2-month coding bootcamp (<10% acceptance rate) to learn full-stack Web and Mobile
development w/ JavaScript, React, React Native, and other technologies. Built full-stack functional web replica of Trello webapp

EXPERIENCE

Jun '18 — Aug '18 | **Global Banking and Markets Technology Intern** — **Bank of America Merrill Lynch** — New York, NY

Worked in team to build chatbot, API integration layer, and webpage with 1.7 billion rows of data for execs to quickly get data
- Chatbot retrieves from database, filters, & returns formats of adaptive card, text, image, PDF, & CSV & sends info to email
- Built integration layer that interacts w/ REST API & built personalized narrative summary webpage w/filtered Tableau viz
- Used in-house technologies, Microsoft Bot Framework, Python, Javascript, Flask, Jinja, Tableau JS API, HTML/CSS, Agile

Aug '17 — May '18 | **Teaching Assistant** — **CMPU 101: Problem Solving & Abstraction w/ Scheme** — Poughkeepsie, NY

Selected to teach Vassar students CS fundamentals such as recursion, lists, functional programming, and command line
- Met 4x/week to teach functional programming concepts in Scheme & helped students build Yahtzee game for final project
- Specifically taught graphical interface in Scheme, as Dept. Chair determined my game was best in CMPU 101 course history

LEADERSHIP

Aug '17 — May '18 | **Co-President** — **VC++ Computer Science Club** — Poughkeepsie, NY

Increased club membership from 20 to > 60 (highest in VC++ history) & launched peer-to-peer interviewing program
- Held MLH Local Hack Day w/ 50+ attendance & founded Vassar's Next Top Coder, programming comp w/ 30+ attendance
- Founded VassarHacks (Vassar's first intercollegiate hackathon) for tech for social good: co-designed website (https://vassarhacks.vcplusplus.io/), led committee meetings 1x/week, and gained corporate sponsors IBM & Dialog

Aug '17 — May '18 | **Treasurer** — **Vassar Business Club** — Poughkeepsie, NY

Budgeted/lobbied finances to student gov. & academic depts to stretch $185 budget to $12,500 of events
- Organized >15 events incl. 2 tech. panels + highly-attended speaker/alumnae events & did graphic design of advertisements

FEATURED PROJECTS

Jun '18 — Present | **Deep Learning Chatbot** — github.com/mayli10/deep-learning-chatbot
- A chatbot trained on 54.4 million Reddit comments using a Neural Machine Translation (NMT) model package, Python, TensorFlow GPU, and SQLite. Wrote a beginner's guide to this project based on programmer _sentdex_'s YouTube tutorial

Dec '17 | **Machine Learning ASD Diagnostic Tool** — github.com/mayli10/machine-learning-asd-diagnostic-tool
- A machine learning Naive Bayes Classifier that determines if a person has Autism Spectrum Disorder (ASD) based on a dataset of questionnaire responses. Cleaned, processed, and analyzed the data w/ R and e1071, caTools, & gmodels packages

Jul '17 | **ScavengeLands** — github.com/mayli10/outsidehacks
- Worked on a team & built front end of scavenger hunt mobile app that uses image, sound, and face recognition for users to match items to win prizes. Built with React Native, MongoDB, Express, Node.js, Google Vision API, Gracenote API, Sketch

SKILLS

Proficient in: JavaScript, HTML/CSS, React, React Native, Redux, Node.js, jQuery, AJAX, Express, Sketch, Scheme
Familiar with: Python, Flask, Jinja, Tableau, R, Java, LaTeX | Mandarin Chinese (fluent), Spanish (limited)

HONORS

Grace Hopper Women in Computing Conference Scholar (2018), Bank of America Grace Hopper Scholarship (2018)