

MAY LI

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EDUCATION

- 2020 **Northwestern University** Evanston, IL
Major: Computer Science, B.S., McCormick School of Engineering Transfer (8% acceptance, 24 accepted McCormick transfers)
Relevant Coursework (In Progress): Object-oriented Programming in C++, Rapid Software Prototyping (MERN Stack), Intro to AI in Python, Engineering Entrepreneurship (MERN Stack)
- Vassar College** Poughkeepsie, NY **GPA: 3.86 /4**
Major: Computer Science | Minor: Mathematics and Statistics - Bachelor of Arts (B.A.)
Relevant Coursework: Data Structures & Algorithms in Java, Cognitive Modeling in R, Functional Programming in Scheme, Discrete Math, Multi Var. Calc., Linear Alg., Computer Organization in 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
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EXPERIENCE

- Jun '18 **Global Banking and Markets Technology Intern** **Bank of America Merrill Lynch** New York, NY
Aug '18 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 **Teaching Assistant** **CMPU 101: Problem Solving & Abstraction w/ Scheme** Poughkeepsie, NY
May '18 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
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LEADERSHIP

- Aug '17 **Co-President** **VC++ Computer Science Club** Poughkeepsie, NY
May '18 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 **Treasurer** **Vassar Business Club** Poughkeepsie, NY
May '18 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
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FEATURED PROJECTS

- Jun '18 **Deep Learning Chatbot** github.com/mayli10/deep-learning-chatbot
Present
 - 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
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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 Conference 2018 Scholar, Bank of America Grace Hopper 2018 Scholarship, Rewriting the Code Fellow