Michael Li

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Education

2019–2023	**Brown University**, *Sc.B, Computer Science and Music*, Providence, RI, *ongoing*.
	GPA: 3.89

Fall 2021	CS1650 Software Security and Exploitation	Spring 2021	CS0320 Intro. Software Engineering
Fall 2021	CS1730 Design and Implementation of Programming Languages	Spring 2021	MATH0520 Linear Algebra
		Spring 2021	APMA1650 Statistical Inference I
Fall 2021	MUSC0200 Computers and Music	Fall 2020	CS0330 Intro. Computer Systems
		Spring 2020	CS0160 Intro. Algorithms and Data Structures
		Spring 2020	CS0220 Intro. Discrete Structures and Probability
		Fall 2019	CS0150 Intro. Object-Oriented Programming

2015–2019	**High Technology High School**, Lincroft, NJ.

Work Experience

Jun–Aug 2021	**Machine Learning Intern**, *Merck*.
	Used Camelot library to write a Python OCR script that parses data from English and Chinese PDFs into organized Excel spreadsheets. Researched and tested various PDF table extraction tools (Camelot, pdfplumber, Azure Form Recognizer) in virtual Python environment.
Feb 2021 –present	**Student Manager**, *Brown University IT Service Center*.
	Answers IT help tickets and chats as a member of the ITSC at Brown University. Troubleshoots technology used around campus and provides technical support to both staff and students. Manages shifts and logistics for other technical assistants.
Aug 2020	**Website Designer**, *abacus counselling*.
	As sole web developer, used HTML, CSS, and JS to design and launch a website for abacus counselling, a startup that provides college advising for students in Sri Lanka.
Jul 2020	**Website Designer**, *re:Bloom*.
	Used React to help design the website for re:Bloom, a non-profit that creates websites for small businesses during the COVID pandemic.
May–Aug 2018	**Computer Networking Intern**, *QuantHouse*, Secaucus, NJ.
	Worked on inventorying and migrating over one hundred server machines between server cages at a data center. Documented the IP address of each machine, as well as the various MAC addresses and other IPs it was connected to, creating a spreadsheet diagramming the network of servers. Helped configure the machines once moved.

Projects

Apr 2021	**Spothouse**, *CS0320 Intro. Software Engineering*, https://spothouse-app.herokuapp.com/.
	My term project for CS0320. Used ReactJS and Spark Java to create a webapp that allows a group of people to share a Spotify queue. Users can search for songs and request to add them, as well as upvote/downvote songs to modify the queue order. When a song gets upvoted, the user who requested it gains voting power, and vice-versa.
Nov 2019	**ChordConstructor**, *CS0150 Intro. Object-Oriented Programming*.
	My term project for CS0150. Used JavaFX to create a program that, given a key and roman numeral selected by the user, displays the appropriate chord on a treble clef staff and plays the chord out loud.

Skills

Programming	Java, Python, C, Racket, x86-64 Assembly, React, HTML, JavaScript, CSS, SQL, LaTeX, LilyPond
Mathematics	multivariable calculus, discrete mathematics, probability, statistics

Activities

2019–present	Brown University Quizbowl Team
2019–present	First Violinist, Brown University Orchestra
2018	String Quartet, Grand Prize, National League of Performing Arts
2017–2019	Black Belt, Taekwondo
2015–2019	Principal Violinist, Bravura Youth Orchestra
2015–2019	Violinist, New Jersey High School Regional and All-State Orchestras