

Andrew Lorber

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EDUCATION	The Cooper Union for the Advancement of Science and Art , New York, NY 2018 2022 <i>BE in Electrical Engineering, Concentration in Computer Engineering</i> , GPA: 4.00/4.00 Relevant Courses: Digital Logic Design, C Programming, Data Structures & Algorithms	
	Ramaz Upper School , New York, NY 2013 2017 GPA: 3.8/4.0, AP Java: 5, AP Physics: 5, ACT: 36 Gorfinkle/Waldman Award for Outstanding Work in the Study of Computer Science	
WORK EXPERIENCE	KeyMe , <i>Front-End Programming Intern</i> Summer 2017 New York, NY <ul style="list-style-type: none">• Revamped shopping cart navigation by determining underlying bug, investigating alternatives, and implementing solution to increase product stability.• Created end-to-end easter-egg coupon experience to incentivize purchase.• Collaborated with the front-end team to become familiar with new codebase and tools.	
	Camp Seneca Lake , <i>Sleep-away Camp Counselor</i> Summer 2016 Honesdale, PA <ul style="list-style-type: none">• Crafted exciting programming to engage group of twenty-one fifteen-year-old boys.• Supervised campers with one other counselor for eight weeks to ensure their safety.	
PROJECT WORK	Guess The Song , <i>Independent</i> Winter 2019 <ul style="list-style-type: none">• Built web version of a song guessing game I play with friends using Node.js, JavaScript, and the Spotify Web API to hone my back-end development skills.• Code can be viewed at https://github.com/alorber/Guess-The-Song.	
	Don't Break the Ice , <i>Digital Logic Design, Cooper Union</i> Fall 2018 <ul style="list-style-type: none">• Designed, prototyped, built, and tested puzzle game using integrated circuits and LEDs with Logisim, breadboards, and a perfboard.• Wrote technical report and presented project detailing end-to-end design process.	
	Brake Dynamometer , <i>Engineering Design and Problem Solving, Cooper Union</i> Fall 2018 <ul style="list-style-type: none">• Continued development of a brake dynamometer, which allows the Cooper Union Formula team to collect data on the car's brakes, using machining tools such as a dremel, lathe, and mill.• Researched possible sensor and motor integrations, and implemented design in a group of four using an arduino, hall effect sensor, IR temperature sensor, and motor.• Presented weekly progress report to class and wrote technical report detailing the entire design process.	
	Ramaz Artist Project , <i>Independent</i> Spring 2017 <ul style="list-style-type: none">• Built http://artistproject.ramaz.org for an art web series using self-taught JavaScript, HTML, CSS, JQuery, and Bootstrap.• Collaborated with head of project on design and content of website.	
	Cooper Union Hillel , <i>Event Coordinator</i> Fall 2018 Fall 2019 New York, NY <ul style="list-style-type: none">• Manage logistics to ensure that monthly events run smoothly for over thirty students.• Collaborate with board members to determine roadmap for semester's event programming.	
SKILLS	Programming: JavaScript, Java, C++, C, Node.js, JQuery, HTML, CSS, Bootstrap, Jekyll, Bash Software: Microsoft Office, AutoCAD, SolidWorks Languages: Hebrew (Proficient) Hobbies: Reading, Taekwando, Theater, Board Games, Crossword Puzzles	