

# Jonathan Ma

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16 Burney St, #1 Boston, MA 02120 | Availability: January – June 2021

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## EDUCATION

**Northeastern University**, Boston, MA September 2018 - Present  
*Khoury College of Computer Sciences*  
*Candidate for a Bachelor of Science degree in Computer Science & Media Art* Expected: May 2023  
*Honors:* GPA: 3.41/4.0 (Dean's List)  
*Related Courses:* Algorithms and Data Structures | Object Oriented Design | Database Design |  
Discrete Structures | Linear Algebra | Observational Drawing | Programming in C++  
2D Fundamentals: Surface and Drawing | Narrative Basics | Movement and Time  
3D Fundamentals: Structure and Drawing and 3D Tools | Animation Basics

**Thornton Academy**, Saco, ME September 2014 - May 2018  
*Honors | Activities:* Summa Cum Laude, Weighted GPA **4.01(Top 10%)** | Varsity Tennis, Computer Club

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## COMPUTER KNOWLEDGE

*Languages:* Java | C++ | HTML | CSS | C# | SQL | Racket  
*Software:* IntelliJ | Eclipse | Visual Studio Code | Atom | Unity | MySQL | Looker | Matillion | Clip Studio Paint  
AWS Redshift | Photoshop | After Effects | Maya | Git

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## EXPERIENCE

**Iora Health**, Boston, MA January 2020 - June 2020  
*Data Engineer*

- Collaborated with multiple teams (including software engineers, project managers, and doctors) to create new fields and tables for company dashboards.
- Refactored fields in Matillion that would notify doctors if their patients were at risk of hypertension.
- Extracted data from Amazon RedShift database to create a dashboard comparing patient retention with patient survey results, which was used to notify practices if they had low satisfaction scores.
- Communicated & worked efficiently with clients to import data into the company's Extract, Transfer, Load system (ETL).

**The Nautilus at Ocean Park**, Old Orchard Beach, ME May 2018 - September 2018  
*Housekeeper*

- Communicated and worked diligently with co-workers on issues such as room assignments and lobby cleanliness.
- Provided guests with a welcoming environment through conversation and fast and efficient room service.
- Delivered quick, critical and creative problem solving solutions to unexpected situations and issues.

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## PROJECTS

**[jonathanma1.com](http://jonathanma1.com):** Created a personalized website to display my skills, interests and artwork using HTML to structure my web formate and CSS to stylize my pages.

**Pyramid Solitaire:** Created a solitaire like game with different levels of difficulty that incorporated the MVC design pattern in Java.

**Block Breaker:** Created a 2D Block Breaker video game using Unity alongside Visual Studios where game logic was written in C# and collision was handled using unity's game engine.

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## PERSONAL INTEREST

Cooking | Illustrating | Competitive Smash Bros | Animation | Board Games | Piano