

Joshua Reisbord

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Education

Computer Science (Honors), Bachelor of Computing, Queen's University, Kingston, ON, Canada. **2017 – Present**

- **Programming Languages:** Java, Python, JavaScript C, Bash, Haskell, Prolog, ARM Assembly
- **Software:** Linux Command Line, MySQL, Apache
- **Relevant Coursework:**
 - **Object-Oriented Programming** (OOP, encapsulation & representational abstraction, polymorphic programming, exception handling, numerical computation)
 - **System Architecture** (Data representation, memory management, C, ARM, caching, pipelining, optimization, storage management, interrupts, digital logic)
 - **Data Structures** (queues, stacks, trees (binary, BST, red-black), heaps, tries, hash-tables)
 - **Programming Paradigms** (functional programming, higher-order functions, Haskell, logical programming, Prolog)
 - **Algorithms I** (Complexity analysis, reducibility, divide and conquer, greedy, dynamic programming, brand-and-bound)
 - **Operating Systems** (processes & synchronization, thread management, memory management, interrupt handling)

Professional Experience

Workshop Mentor (Executive Position), Queen's Bioinformatics, Kingston, ON

2020 – Present

- Queens Bioinformatics aims to put on events that teach concepts and skills critical to developing programs within the bioinformatics field.
- Working with students and faculty from many disciplines in the computing field to create and ensure workshop material is relevant to today's professional needs.
- Overseeing and presenting a workshop to an audience ranging anywhere from 10 to 40 students.

Course Instructor, ATAM, Pacific Palisades, CA

2019

- ATAM's (Academy of Technology, Art, and Music) goal is to inspire and teach young students ranging in age from five to twelve years old the basics of technology, art, and music in an entertaining way that will cultivate interest.
- As a course instructor, duties included creating projects for students to complete, managing a classroom environment, and helping students with any problem they might encounter.
- Projects included the games of pong and space invaders written in python using the turtle framework.

Non-Professional Experience

Customer Service Associate, DIY Home Center, Agoura Hills, CA

2020

- Customer service associate duties include conducting sales, managing commercial and government accounts, and directing and answering customers over the phone or in person.
- Assisting other departments and employees with tasks within other departments when necessary.

Personal Information

Projects:

- Web application to control a hosts Spotify song queue by group voting ([joshuareisbord/CrowdPleaser](https://joshuareisbord.com/CrowdPleaser))
- Created personal website using CSS, HTML and JavaScript hosted on Google Firebase (joshuareisbord.com)
- Website to query a flat-file database using NL processed by Wit.AI ([/joshuareisbord/Drivr.Space](https://joshuareisbord.com/Drivr.Space))

Hobbies: Carpentry, automotive restoration/repair, swimming, surfing, paddle-boarding, hackathons

Volunteer Experience: QHacks 2020 (assisting sponsors, wayfinding)

Notable accomplishments: QCTF (information security competition) 2020 Winner