



# JOSHUA TOWNER

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Plymouth, MA 02364

## PLs and Software

### Proficient



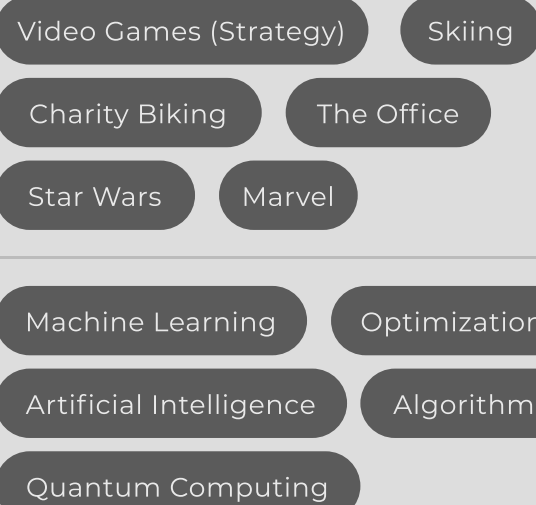
### Comfortable



### Familiar



## Interests



## WORK EXPERIENCE

**Chief Technology Officer**   
Anna

Sep 2019 - May 2021

Architected a startup's smart vending machine system, including real-time approvals of orders, pre-ordering, and serial communication with the machine. Managed the engineering team using scrum, planning out work and new features

**Software Co-op**    
Intuit

Jun 2020 - Dec 2020

Developed and released a QuickBooks feature focused on paying contractors. This product already hosts 30,000+ contractors and moved 60+ million dollars. Developed many features within Quickbooks Payroll throughout the entire stack, and fixed numerous production issues quickly and reliably.

**Backend/ML Software Co-op**     
Mercari US

Jul 2019 - Dec 2019

Spearheaded redesign of recommenders, reducing resource usage by 92% and vastly improving recommendations serving 25 million users. Streamlined all aspects of recommender deployments from CI to client usage.

**Teaching Assistant** Northeastern University Jan 2020 - May 2020  
Mentored students & edited curriculum in NEU's core Algorithms course.

**Research Assistant** Venkatachalam Lab  May 2019 - Oct 2019  
Created a machine learning model that identifies nematode neurons from scans.

**Software Engineer** Harrow Search   Oct 2018 - Jun 2019  
Developed service to scrape websites and then store and analyze scraped data.

## EDUCATION

**Northeastern University: GPA 3.96/4.00** Sep 2017 - May 2021  
Bachelor of Science in CS/Physics and Math

Relevant Courses (BS/MS/PhD):     
   

## ACTIVITIES AND PROJECTS

**Webmaster**, Society of Physics Students May 2018 - May 2020

Husky Competitive Programming Club   Sep 2018 - Apr 2020

Essay Grammar Analysis Tool 